

Zend PHP 5 Certification Practice Test

1. Unlike a database such as MySQL, SQLite columns are not explicitly typed. Instead, SQLite categorizes data into which of the following categories?

2. When running PHP in a shared host environment, what is the major security concern when it comes to session data?

- a) Sessions on shared hosts are easily hijacked by outside malicious users
- b) All of the above
- c) You cannot use a custom data store in shared hosts
- d) Session data stored in the file system can be read by other scripts on the same shared host
- e) Users outside the shared host can access any site which created a session for them

3. Name three new extensions in PHP5 (choose 3)

- a) tidy
- b) soap
- c) java
- d) curl
- e) mysqli

4. Identify the best approach to compare to variables in a binary-safe fashion

- a) Both strcmp() and \$a=== \$b
- b) \$a==\$b
- c) \$a=== \$b
- d) str_compare()
- e) strstr

5. Which PCRE regular expression will match the string PHP5-rocks?

- a) /^[hp1-5]*\-.*/i
- b) /[hp1-5]*\-.?/
- c) /[hp][1-5]*\-.*/
- d) /[php]{3}[1-5]{2,3}\-. *\$/
- e) /[a-z1-5\-.]*/

6. Which of the following are examples of the new engine executor models available in PHP 5? (choose 3)

- a) Switch
- b) Conditional
- c) Goto
- d) Call
- e) Dynamic

7. The _____ constant in a CLI script is an automatically provided file resource representing standard input of the terminal.

- a) STDIN

- b) __STDIN__
- c) STDIO
- d) PHP::STDIO
- e) STD_IN

8. Event-based XML parsing is an example of which parsing model?

- a) SAX
- b) DOM
- c) XML Object Mapping
- d) XPath
- e) XQuery

9. Which two internal PHP interfaces provide functionality which allow you to treat an object like an array?

10. What is wrong with the following code snippet? Assume default configuration value apply?

```
<?php
$fp = fsockopen('www.php.net', 80);

fwrite($fp, "GET / HTTP/1.0\r\nHost: www.php.net\r\n");

$data = fread($fp, 8192);
?>
```

- a) The request is blocking and may cause fread() to hang
- b) The HTTP request is malformed
- c) The script should be rewritten using fgets() instead of fread()
- d) The request is non-blocking and fread() may miss the response
- e) You cannot use fwrite() with fsockopen()

11. If regular expressions must be used, in general which type of regular expression functions available to PHP is preferred for performance reasons?

- a) strtok() using regular expressions
- b) preg_* regular expression functions
- c) parse_str() using regular expressions
- d) stregex* regular expression functions
- e) ereg* regular expression functions

12. Creating new nodes in XML documents using PHP can be done using which XML/PHP 5 technologies?

- a) XQuery
- b) XPath
- c) SimpleXML
- d) DOM
- e) SAX

13.

```
<?php
```

```
$oranges = 10;
```

```
$apples = 5;
```

```
$string = "I have %d apples and %d oranges";
```

```
???????
```

```
?>
```

What could be placed in place of ?????? to output the string:

I have 5 apples and 10 oranges

a) `str_format($string, $apples, $oranges);`

b) `print($string, $apples, $oranges);`

c) `printf($string, $apples, $oranges);`

d) `print sprintf($apples, $oranges);`

e) `sprintf($string, $oranges, $apples);`

14.

```
<?php
```

```
    $dom = new DomDocument();
```

```
    $dom->load('test.xml');
```

```
    $body = $dom->documentElement->getElementsByTagName('body')->item(0);
```

```
    echo $body->getAttributeNode('background')->value. "\n";
```

```
?>
```

a) Displays the content of every `<body>` node

b) Displays the "background" attribute for the first node in the XML document named "body"

c) Displays the content of every node that has a "background" node

d) Displays the "background" attribute of every node named "body"

15. Consider the following example XML document:

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
```

```
<!DOCTYPE html
```

```
    PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
```

```
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
```

```
  <head>
```

```
    <title>XML Example</title>
```

```
  </head>
```

```
  <body>
```

```
    <p>
```

```
      Moved to <<a href="http://example.org">http://www.example.org/</a>.>
```

```
    <br>
```

```
  </p>
```

```
</body>
```

</html>

What is wrong with this document, and how can it be corrected?

- a) The document is completely valid
- b) All special XML characters must be represented as entities within the content of a node
- c) All tags must be closed
- d) You cannot specify a namespace for the <html> attribute
- e) The DOCTYPE declaration is malformed

16. What is the output of the following?

<?php

```
$a = 010;  
$b = 0xA;  
$c = 2;
```

```
print $a + $b + $c;
```

?>

- a) 20
- b) 22
- c) 18
- d) \$a is an invalid value
- e) 2

17. Consider the following simple PHP script:

<?php

```
$dom = new DomDocument();  
$dom->load('test.xml');  
$xpath = new DomXPath($dom);  
$nodes = $xpath->query('??????', $dom->documentElement);  
echo $nodes->item(0)->getAttributeNode('bgcolor')->value  
  . "\n";
```

?>

What XPath query should go in the ?????? above to display the "bgcolor" attribute of the first "body" node in the XML document?

Answer...

- a) "[local-name()='body']"
- b) "/body[0]/text"
- c) "/body/body[0]"
- d) "name='body'"
- e) "[lname()='body']"

18. The _____ function is used to add up the values of every entry within an array

19. Which of the following SQL statements will improve SQLite write performance?

- a) PRAGMA locking_mode = "Row";
- b) PRAGMA count_changes = Off;
- c) PRAGMA default_synchronous = Off;
- d) PRAGMA default_synchronous = On;
- e) PRAGMA locking_mode = "Table";

20. What variable reference would go in the spots indicated by ????? in the code segment below?

```
<?php
```

```
$msg = "The Quick Brown Foxed Jumped Over the Lazy Dog";
```

```
$state = true;
```

```
$retval = "";
```

```
for($i = 0; (isset(?????)); $i++) {  
    if($state) {  
        $retval .= strtolower(?????);  
    } else {  
        $retval .= strtoupper(?????);  
    }  
}
```

```
    $state = !$state;
```

```
}
```

```
print $retval;
```

```
?>
```

- a) \$msg{\$i}
- b) ord(\$msg);
- c) chr(\$msg);
- d) substr(\$msg, \$i, 2);

21. What would you replace ??????? with, below, to make the string Hello, World! be displayed?

```
<?php
```

```
function myfunction() {  
    ???????  
    print $string;  
}
```

```
myfunction("Hello, World!");
```

?>

Answer...

- a) There is no way to do this
- b) \$string = \$argv[1];
- c) \$string = \$_ARGV[0];
- d) list(\$string) = func_get_args();
- e) \$string = get_function_args()

22. In the MVC pattern a request is dispatched to one or more controllers in a controller chain. This pattern is an example of which of the following design patterns?

Answer...

- a) None of the above
- b) The MVC Pattern
- c) The Chain of Command/Responsibility Pattern
- d) The Dispatcher Pattern
- e) The Controller Pattern

23. Which of the following is not a valid PDO DSN?

Answer...

- a) All of the above are valid
- b) mysql:unix_socket=/tmp/mysql.sock;dbname=testdb
- c) oci:dbname=//localhost:1521/mydb
- d) mysql:host=localhost;port=3307;dbname=testdb
- e) sqlite2:/opt/databases/mydb.sq2

24. Which of the following comparisons will evaluate to true?

Answers: (choose 3)

- a) 't' == t
- b) 1 === "1time"
- c) "top" == 0
- d) "top" === 0
- e) 1 == "1time"

25. What is the output of the following code block?

```
<?php
```

```
$array = array(1 => 0, 2, 3, 4);  
array_splice($array, 3, count($array), array_merge(array('x'), array_slice($array, 3)));  
print_r($array);
```

```
?>
```

Answer...

- a) 1 => 1, 2 => 2, 3 => x, 4=> 4
- b) 0 => 1, 2 => 2, 3 => 3, 4 => 4, x => 3
- c) 0 => 0, 1=> 2, 2 => 3, 3 => x, 4 => 4
- d) 0 => x, 1 => 0, 2 => 1, 3=> 2, 4=>3
- e) 1 => 1, 3 => x, 2 => 2, 4 => 4

26. In databases that do not support the AUTO_INCREMENT modifier, you must use a _____ instead to auto-generate a numeric incrementing key

27. What is the output of the following code block?

```
<?php

$a = "The quick brown fox jumped over the lazy dog.";
$b = array_map("strtoupper", explode(" ", $a));

foreach($b as $value) {
    print "$value ";
}
?>
```

Answer...

- a) THE QUICK BROWN FOX JUMPED OVER THE LAZY DOG.
- b) A PHP Error
- c) The quick brown fox jumped over the lazy dog.
- d) Array Array Array Array Array Array Array Array
- e) the quick brown fox jumped over the lazy dog.

28.

```
<?php

function get_socket($host, $port) {
    $fr = fsockopen($host, $port);
    stream_set_blocking($fr, false);
    return $fr;
}

// Assume $host1, $host2, etc are defined properly
$write_map[] = array('fr' => get_socket($host1, $port1), 'data' => str_pad("", 500000, "A"));
$write_map[] = array('fr' => get_socket($host2, $port2), 'data' => str_pad("", 500000, "B"));
$write_map[] = array('fr' => get_socket($host3, $port3), 'data' => str_pad("", 500000, "C"));

do {
    $write_sockets = array();

    foreach($write_map as $data) {
        $write_sockets[] = $data['fr'];
    }
}
```

```
$num_returned = stream_select($r = null, $write_sockets, $e = null, 30);
```

```
if($num_returned) {  
    foreach($write_sockets as $fr) {  
        foreach($write_map as $index => $data) {  
            if($data['fr'] === $fr) {  
                $len = fwrite($fr, $data['buf']);  
  
                if($len) {  
                    $data['buf'] = substr($data['buf'], $len);  
  
                    if(empty($data['buf'])) {  
                        fclose($data['fr']);  
                        /* ?????????? */  
                    }  
                }  
            }  
        }  
    }  
}
```

```
} while(count($write_map));
```

```
?>
```

What should go in the ???????? above for this script to function properly?

29. Consider the following code:

```
<?php  
header("Location: {$_GET['url']}");  
?>
```

Which of the following values of `$_GET['url']` would cause session fixation?

Answers: (choose 1)

- a) Session Fixation is not possible with this code snippet
- b) `http://www.zend.com/?PHPSESSID=123`
- c) `PHPSESSID%611243`
- d) `Set-Cookie%3A+PHPSESSID%611234`
- e) `http%3A%2F%2Fwww.zend.com%2F%0D%0ASet-Cookie%3A+PHPSESSID%611234`

30. Which of the following php.ini directives should be disabled to improve the outward security of your application?

Answers: (choose 4)

- a) `safe_mode`
- b) `magic_quotes_gpc`
- c) `register_globals`
- d) `display_errors`

e) allow_url_fopen

31. When attempting to prevent a cross-site scripting attack, which of the following is most important?

Answer...

- a) Not writing Javascript on the fly using PHP
- b) Filtering Output used in form data
- c) Filtering Output used in database transactions
- d) Writing careful Javascript
- e) Filtering all input

32. What is the output of the following code?

```
<?php  
  
function byReference(&$variable = 5)  
{  
    echo ++$variable;  
}  
  
byReference();  
  
?>
```

Answer...

- a) No output or error. Variables can not be optional and passed by reference.
- b) 5
- c) 6

33. When working with a database, which of the following can be used to mitigate the possibility of exposing your database credentials to a malicious user?

Answers: (choose 3)

- a) Moving all database credentials into a single file
- b) Moving all database credentials outside of the document root
- c) Restricting access to files not designed to be executed independently
- d) Setting credential information as system environment variables
- e) Using PHP constants instead of variables to store credentials

34. Consider the following script:

```
<?php  
  
$oranges = 10;  
$apples = 5;  
  
$string = "I have %d apples and %d oranges";
```

??????
?>

What could be placed in place of ?????? to output the string:

I have 5 apples and 10 oranges

Answers: (choose 2)

- a) str_format(\$string, \$apples, \$oranges);
- b) print(\$string, \$apples, \$oranges);
- c) printf(\$string, \$apples, \$oranges);
- d) print sprintf(\$apples, \$oranges);
- e) sprintf(\$string, \$oranges, \$apples);

35. Consider the following code snippet:

```
<?php

$link = mysqli_connect("hostname",
                      "username",
                      "password");

if(!$link)
{
    $error = ??????
    die("Could not connect to the database: $error");
}

?>
```

What would go in place of the ???? above for this script to function properly?

Answer...

- a) mysqli_connect_error();
- b) mysqli_connect_error(\$link);
- c) mysqli_error();
- d) \$_MySQL['connect_error']
- e) mysqli_get_connect_error();

36. To ensure that a given object has a particular set of methods, you must provide a method list in the form of an _____ and then attach it as part of your class using the _____ keyword.

Answer...

- a) array, interface
- b) interface, implements
- c) interface, extends
- d) instance, implements
- e) access-list, instance

37. What XML technology is used when you mix two different document types in a single XML document?

Answer...

- a) Validators
- b) DTD
- c) Transformations
- d) Namespaces

38. The _____ function is used to modify the amount of time PHP will wait for a stream before timing out during reading or writing.

39. What is the result of the following code snippet?

```
<?php
```

```
$array = array('a' => 'John',  
              'b' => 'Coggleshall',  
              'c' => array('d' => 'John',  
                        'e' => 'Smith'));
```

```
function something($array) {  
    extract($array);  
    return $c['e'];  
}
```

```
print something($array);
```

```
?>
```

Answer...

- a) Smith
- b) A PHP Warning
- c) Coggleshall
- d) NULL
- e) Array

40. One can ensure that headers can always be sent from a PHP script by doing what?

Answer...

- a) Enable header buffering in PHP 5
- b) Set the header.force INI directive to true
- c) Enable output buffering in PHP 5
- d) There is no way to ensure that headers can always be set, they must always be checked
- e) None of the above

41. Which key will not be displayed from the following code block?

```
<?php
$array = array('a' => 'John',
               'b' => 'Coggeshall',
               'c' => array('d' => 'John',
                           'e' => 'Smith'));

function display($item, $key) {
    print "$key => $item\n";
}

array_walk_recursive($array, "display");

?>
```

Answer...

- a) d
- b) c
- c) b
- d) a
- e) They all will be displayed

42. What should go in the ??????? assignment below to create a Zlib-compressed file foo.gz with a compression level of 9?

```
<?php

$file = '?????????';
$fr = fopen($file, 'wb9');
fwrite($fr, $data);
fclose($fr);

?>
```

Answer...

- a) gzip://foo.gz?level=9
- b) compress.zip://foo.gz?level=9
- c) compress.zlib://foo.gz
- d) compress.gzip://foo.gz?level=9
- e) zlib://foo.gz

43. When uploading a file using HTTP, which variable can be used to locate the file on PHP's local filesystem?

Answer...

- a) None of the above
- b) \$_FILES['fieldname']['tmp_name']
- c) \$_FILES['fieldname']

- d) \$_FILES['fieldname'][0]['filename']
- e) \$_FILES['fieldname']['filename']

44. What kind of information is acquired when profiling a PHP script?

Answers: (choose 2)

- a) A list of all of the op-codes executed by the engine
- b) The files and functions and/or parameters which were executed during the PHP script
- c) The execution times of files and functions during the PHP script
- d) A list of all the variables used in a PHP script
- e) A list of errors which have occurred

45. Consider the following script:

```
<?php

try {
    $dbh = new PDO("sqlite::memory:");
} catch(PDOException $e) {
    print $e->getMessage();
}

$dbh->query("CREATE TABLE foo(id INT)");
$stmt = $dbh->prepare("INSERT INTO foo VALUES(:value)");
$value = null;
$data = array(1,2,3,4,5);
$stmt->bindParam(":value", $value);

/* ?????? */

try {
    foreach($data as $value) {
        /* ?????? */
    }
} catch(PDOException $e) {
    /* ?????????? */
}

/* ?????? */

?>
```

What lines of code need to go into the missing places above in order for this script to function properly and insert the data into the database safely?

Answers: (choose 4)

- a) \$dbh->beginTransaction();
- b) \$dbh->commit();
- c) \$stmt->execute();
- d) \$dbh->rollback();
- e) \$dbh->query(\$stmt);

46. The _____ keyword is used to block any overriding of a class/method by a subclass.

Answer...

- a) static
- b) None of the above
- c) protected
- d) final
- e) private

47. SimpleXML objects can be created from what types of data sources?

Answers: (choose 3)

- a) A String
- b) An array
- c) A DomDocument object
- d) A URI
- e) A Database resource

48. The _____ function is great for monitoring a series of streams to determine when one or more of them will not block a particular type of stream operation.

49. The _____ method in the PDOStatement class is used to return the next result set in a multi-query statement.

50. Given the following XML document in a SimpleXML object:

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<!DOCTYPE html
  PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
  <head>
    <title>XML Example</title>
  </head>
  <body>
    <p>
      Moved to &lt;a href="http://example.org/">http://www.example.org/</a>.&gt;
    <br/>
    </p>
  </body>
</html>
```

Select the proper statement below which will display the HREF attribute of the anchor tag.

Answer...

- a) `$sxe->body->p[0]->a[1]['href']`
- b) `$sxe->body->p->a->href`
- c) `$sxe->body->p->a['href']`

- d) `$sxe['body']['p'][0]['a']['href']`
- e) `$sxe->body->p[1]->a['href']`

51. The _____ method can be used from a SimpleXML node to return an iterator containing a list of all of the current node's subnodes.

52. When working with simpleXML in php5, the four basic rules on how the xml document is accessed are which of the following (choose 4)

- a) element namespaces are denoted by the 'namespace' attribute
- b) converting an element to a string denotes text data
- c) non-numeric indexes are element attributes
- d) numeric indexes are elements
- e) properties denote element iterators

53. Validating form elements, or any situation where multiple algorithms can be implemented via a single interface, is an ideal candidate for the _____ design pattern.

54. Which of the following are not true about streams? (choose 2)

- a) they are always seekable
- b) when used properly they significantly reduce memory consumption
- c) they can be applied to any data source
- d) they are always bi-directional
- e) they can be filtered

55. The _____ pattern is extremely useful for creating objects which watch the state of other objects and respond to those change.

56. Which from the following list is not an appropriate use of an array? (choose 1)

- a) as list
- b) all of these uses are valid
- c) as a lookup table
- d) a stack
- e) as a hash table

57. The _____ interface implements a useful design pattern which allows you to overload an instance of an object so it can be accessed like an array.

58. When is it important to validate data coming from an html form.

- a) only when the fields are required
- b) only when accepting file uploads
- c) everywhere, except cookies
- d) only when accepting forms using an input type of text or a textarea field
- e) none of the above

59. The following is an example of what design pattern

`<?php`

```

class myClassBuilder {
    public function build() {
        return new MyClass();
    }
}

```

?>

- a) none of the above
- b) builder
- c) factory
- d) singleton
- e) observer

60. Which of the following is incorrect? (choose 4)

- a) function c(myclass \$a = new myclass())
- b) function d(\$a = null)
- c) function e(&\$a = 30)
- d) function a(&\$a = array(10,20,30))
- e) function b(\$a = (10 + 2))

61. Which of the following cases are cases when you should use transactions (choose 1)

- a) updating a single row in a table
- b) inserting a new row into a single table
- c) performing a stored procedure
- d) selecting rows from multiple different tables
- e) updating a single row in multiple different tables

62. the _____ pattern is useful for an object which can be traversed as a list implemented in PHP by an interface of the same name

63. Which of the following is an example of polymorphism?

- a) all of the above
- b) classes that implement design patterns
- c) any class implementing an interface
- d) any class that extends from a parent class
- e) a generic super class with specific child class implementations

64. The following could be better represented as what?

<?php

```

If ($a == 0) {
} elseif ($a == 20) {
} elseif ($a == 30) {

```

```
}  
?>
```

- a) A switch statement without break statement
- b) A foreach statement
- c) A while statement
- d) A switch statement
- e) Multiple if statements

65. The _____ keyword is used to indicate an incomplete class or method, which must be further extended and/or implemented in order to be used.

- a) final
- b) protected
- c) incomplete
- d) abstract
- e) implements

66. What is the output of this code

```
<?php  
$array = array(0.001 => 'b', .1 => 'c')  
print_r($array)  
?>
```

- a) An empty array
- b) 0.001 => 'b', .1 => 'c'
- c) 0 => 'c'
- d) '0.001' => 'b', '0.1' => 'c'
- e) A syntax error

67. What is the output of the following script

```
<?php  
  
$a = 1;  
$b = 2.5;  
$c = 0xFF;  
  
$d = $b + $c;  
$e = $d + $b;  
$f = ($d + $e) % $a;  
  
print ($f + $e)  
  
?>
```

- a) 643.75
- b) 432
- c) 643
- d) 257
- e) 432.75

68. One can determine if it is possible to send HTTP headers from within PHP script using which of the following function?

- a) apache_header_enabled()
- b) is_header_enabled()
- c) is_header_sent()
- d) headers_sent()
- e) headers_enabled()

69. Type-hinting and the instanceof keyword can be used to check what types of things about variables? (choose 3)

- a) If a particular child class extends from it
- b) If they are instance of a particular interface
- c) If they are an abstract class
- d) If they have a particular parent class
- e) If they are instance of a particular class

70. When embedding PHP into XML documents what must you ensure is true in order for things to function properly?

- a) Disabling of the short_tags PHP.ini directive
- b) Enabling the asp_tags PHP.ini directive
- c) That you have XPath support enabled in PHP5
- d) That your XML documents are well formed
- e) None of the above, PHP can be embedded in XML in all cases

71. The following is a common XML structure used in service oriented architectures what does it represent?

```
<?xml vesion="1.0" ?>
<methodCall>
  <methonName>myMethod</methodName>
  <params>
    <param>
      <value><string>Hi!</string></value>
    </param>
  </params>
</methodCall>
```

- a) None of the above
- b) A fragment of a complete SOAP request
- c) XML-RPC
- d) REST
- c) SOAP

72. The MVC pattern in web development involves which of the following components?

Answer (Choose 4)

- a) view
- b) controller
- c) validation
- d) model
- e) front controller

73. What is the output of the following?

```
<?php  
  
function a($number)  
{  
    return (b($number) * $number);  
}  
  
function b(&number)  
{  
    ++$number;  
}  
  
echo a(5);  
  
?>
```

Answer

- a) 0
- b) 36
- c) 6
- d) 30
- e) 5

74. PHP5 supports which of the following XML parsing method?

Answer (Choose 4)

- a) SAX
- b) FastDOM
- c) DOM
- d) Xpath
- e) XML to object mapping

75. Given the following array

```
<?php  
  
$a = array(  
    1 => "red",  
    'green',  
    'blue',  
    'purple' => array(  
        'house' => 'dog',  
        'food' => 'meal',  
        'here' => 'gone',  
    )  
);
```

```

        'hello' => array(
            5 => 'goodbye',
            8 => 'something',
            'correct'
        )
    )
);
?>

```

Answer

- a) print \$a['purple'][4][3]
- b) print \$a['purple']['hello'][9]
- c) print \$a[2][4][3]
- d) print \$a[2][4][9]
- e) print \$a[4]['hello'][9]

76. Where should indirectly executed PHP script (i.e. include files) be stored in the file system?

Answer

- a) Outside of the document root
- b) In the document root
- c) Anywhere you want
- d) In the database

**77. What is the best approach to convert this string:
\$string = "a=10&b[]=20&c=30&\$d=40+50"
into this array?**

```

Array(4) {
    ["a"] =>
        string(2) "10"
    ["b"] => array(
        [0] =>
            string(2) "20"
    ),
    ["c"] =>
        string(2) "30"
    ["d"] =>
        string(5) "40 50"
}

```

- a) Write a parser completely by hand, it's the only way to make sure it's 100% accurate
- b) Use the parse_str() function to translate it into an array()
- c) Pass the variable to another PHP script via HTTP GET request and return the variable as serialized variable
- d) Just call unserialize() to translate it into an array().
- e) Write a string parser using strtok() and unserialize() to convert it to an array.

78. Consider the following PHP string representing SQL statement:

\$query = "UPDATE users SET password = '\$password' WHERE username = '\$username'";

Which are the following values for username and password the behaviour of this query when executed?

Answer

- a) None of the above
- b) \$username = "foobar" WHERE username = 'admin';
- c) \$password = "foobar" WHERE username = 'admin' --:";
- d) \$username = "foobar" WHERE username = 'admin';
- e) \$username = "\"foobar\" WHERE username = \"admin\"";

79. What does the following function do, when passed two integer values \$p and \$q?

```
<?php
```

```
function magic($p, $q)
{
    return ($q == 0)
        ? $p
        : magic($q, $p % $q);
}
```

```
?>
```

Answer

- a) Loops infinity
- b) Switches the value \$p and \$q
- c) Determines if they are both even or odd
- d) Determines the greatest common divisor between them
- e) Calculates the modulus between the two

80. Which function is best suited to removing mark up tags from a string?

Answer

- a) strip_markup()
- b) strip_tags()
- c) str_replace()
- d) preg_replace()
- e) preg_strip()

81. Given the two values below, which of the following possibilities will print 10 foos20 bars?

```
<?php
```

```
$var1 = "10 foos";
$var2 = "20 bars";
```

```
print ?????;
```

?>

Answer (Choose 2)

- a) None of the above
- b) implode("", array(\$var1, \$var2))
- c) \$var1 . \$var2
- d) \$var1 + \$var2
- e) All of the above

82. During normal filesystem access, the _____ function is used to determine if the pointer has reached the end of the file

Answer

- a) feof()
- b) flock();
- c) fclose();
- d) fend();
- e) None of the above

83. When checking to see if two variable contains the same instance of an object which of the following comparison should be used?

Answer

- a) if(\$obj1->equals(\$obj2) && (\$obj1 instanceof \$obj2))
- b) if(\$obj1->equals(\$obj2))
- c) if(\$obj1 === \$obj2)
- d) if(\$obj1 instanceof \$obj2)
- e) if(\$obj1 == \$obj2)

84. What is the output of the following code?

```
<?php
```

```
function functionSplit()
```

```
{
```

```
    $pre = 1;
```

```
?>
```

```
<?php
```

```
    echo $pre;
```

```
}
```

```
functionSplit();
```

```
?>
```

Answer

- a) Error; function cannot be split over multiple segments
- b) Nothing
- c) 1
- d) 2

85. Which of the following are not valid ways to embed a variable into a string?

Answer (Choose 2)

- a) \$a = "Value: \$value->getValue()"
- b) \$a = "Value: {\$value}"
- c) \$a = 'Value: \$value'
- d) \$a = "Value: \$value"
- e) \$a = "Value: {\$value['val']}"

86. Consider the following code segment:

```
<?php
$xmldata = <<<XML
<?xml version="1.0" encoding="ISO-8859-1" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
  <head>
    <title>Virtual Library</title>
  </head>
  <body>
    <p>Moved to <a href="http://example.org/">example.org</a>.</p>
  </body>
</html>
XML;
$xml = xml_parser_create("UTF-8");
???????
xml_parse($xml, $xmldata)
function xml_start_handler($xml, $tag, $attribute)
{
    print "Tag: $tag<br/>\n";
}

function xml_end_handler($xml, $tag)
{
}
?>
```

What should be placed in place of ???????? above to have the above script display the name of each tag within the XML document?

Answer

- a) xml_set_callback("xml_start_handler")
- b) xml_set_element_handler(\$xml, "xml_start_handler", "xml_end_handler")
- c) xml_node_set_handler("xml_start_handler", "xml_end_handler");
- d) xml_node_set_handler("xml_start_handler");

87. Consider the following series of classes and interfaces

```
<?php
interface MyInterface {
    public function getTitleAndAuthor();
}

class MyClass {
    private $_author;
    private $_title;

    public function getAuthor() {
        return $this->_author;
    }

    public function getTitle() {
        return $this->_title;
    }
}

class MyClass2 {
    private $_instance;

    public function __construct(MyClass $a) {
        $this->_instance = $a;
    }

    public function getTitleAndAuthor() {
        $retval = array(
            'title' => $this->_instance->getTitle(),
            'author' => $this->_instance->getAuthor()
        );

        return $retval;
    }
}

class MyClass3 {
    public function doSomething(MyInterface $instance) {
        $value = $instance->getTitleAndAuthor();
    }
}

?>
```

MyClass2 is an example of the _____ design pattern

88. In a general sense, which is more important: performance or maintainability of an application

Answer

a) Performance first, maintainability second

- b) Maintainability first, performance second
- c) Maintainability
- d) Performance

89. The _____ construct is particularly useful to assign your own variable names to values with in an array.

Answer

- a) array_get_variables
- b) current
- c) each
- d) import_variables
- e) list

90. What is the output of the following script

```
<?php
class ClassOne {
    protected $a = 10;

    public function changeValue($b) {
        $this->a = $b;
    }
}

class ClassTwo {
    protected $b = 10;

    public function changeValue($b) {
        $this->b = 10;
        parent::changeValue($this->a + $this->b);
    }

    public function displayValues() {
        print "a: {$this->a} b: {$this->b}\n";
    }
}

$obj = new ClassTwo();

$obj->changeValue(20);
$obj->changeValue(10);
$obj->displayValues();
?>
```

Answer

- a) a: 30 b: 30
- b) a: 30 b: 20
- c) a: 30 b: 10
- d) a: 20 b: 20
- e) a: 10 b:10
- e) None of the above