

**200-710**

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200-710



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## Exam A

### QUESTION 1

Consider the following two files. When you run test.php, what would the output look like?

test.php

```
include "MyString.php";  
print ",";  
print strlen("Hello world!");
```

MyString.php:

```
namespace MyFramework\String;  
function strlen($str)  
{  
    return \strlen($str)*2; //return double the string length  
}  
print strlen("Hello world!");
```



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- A. 12,12
- B. 12,24
- C. 24,12
- D. 24,24
- E. PHP Fatal error: Cannot redeclare strlen()

**Correct Answer:** C

**Section:** (none)

**Explanation**

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**Explanation/Reference:**

**QUESTION 2**

What is the difference between the spaceship operator (<=>) and the strcmp() function?

- A. There is no difference in functionality
- B. strcmp() returns a Boolean value, the spaceship operator a number
- C. strcmp() does a case-intensive comparison, the spaceship operator does not
- D. The spaceship operator returns -1, 0 or 1; strcmp() may return any integer

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 3**

You'd like to use the class MyDBConnection that's defined in the MyGreatFramework\MyGreatDatabaseAbstractionLayer namespace, but you want to minimize \*as much as possible\* the length of the class name you have to type. What would you do?

- A. Import the MyGreatFramework namespace
- B. Import the MyGreatFramework\MyGreatDatabaseAbstractionLayer namespace
- C. Alias MyGreatFramework\MyGreatDatabaseAbstractionLayer\MyDBConnection to a shorter name
- D. Alias MyGreatFramework\MyGreatDatabaseAbstractionLayer to a shorter name

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 4**

You want to parse a URL into its single parts. Which function do you choose?

- A. parse\_url()

- B. url\_parse(0
- C. get\_url\_parts()
- D. geturlparts()

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 5

What is the output of the following code?

```
$text = 'This is text';

$text1 = <<<'TEXT'
$text
TEXT;

$text2 = <<<TEXT
$text1
TEXT;

echo "$text2";
```

- A. This is text
- B. \$text
- C. \$text1
- D. \$text2

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 6**

What function can be used to retrieve an array of current options for a stream context?

- A. stream\_get\_options()
- B. stream\_context\_get\_default()
- C. stream\_context\_get\_options()
- D. The 'options' element of the stream\_get\_meta\_data() return value

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 7**

Given the following array:

```
$a = array(28, 15, 77, 43);
```

Which function will remove the value 28 from \$a?

- A. array\_shift()
- B. array\_pop()
- C. array\_pull()
- D. array\_unshift()

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 8**

What is the output of this code?

```
$world = 'world';  
echo <<<'TEXT'  
hello $world  
    TEXT;
```

- A. hello world
- B. hello \$world
- C. PHP Parser error

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 9

What is the output of the following code?

```
class Bar {  
    private $a = 'b';  
    public $c = 'd';  
}  
$x = (array) new Bar();  
  
echo array_key_exists('a', $x) ? 'true' : 'false';  
echo '-';  
echo array_key_exists('c', $x) ? 'true' : 'false';
```

- A. false-false
- B. false-true
- C. true-false
- D. true-true

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 10**

Which of the following items in the \$\_SERVER superglobal are important for authenticating the client when using HTTP Basic authentication? (Choose two.)

- A. PHP\_AUTH\_TYPE
- B. PHP\_AUTH\_PASSWORD
- C. PHP\_AUTH\_DIGEST
- D. PHP\_AUTH\_PW
- E. PHP\_AUTH\_USER

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 11**

Which of these error types may be handled by a user defined error handler function? (Choose two.)

- A. E\_ERROR
- B. E\_NOTICE
- C. E\_PARSE
- D. E\_WARNING

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 12**

Which methods can be used to overload object properties? (Choose two.)

- A. set(), get()
- B. \_\_set(), \_\_get()
- C. \_\_put(), \_\_receive(), \_\_exist()
- D. set(), get(), \_\_isset()
- E. \_isset(), \_\_unset()

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 13**

What method can be used to find the tag <any> via the DOM extension?

- A. getElementById()
- B. getElementsByTagName()
- C. getElementsByTagNameNS()
- D. getElementByName()
- E. findTag()

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 14**

What is the output of the following code?

```
echo "1" + 2 * "0x02";
```



- A. 1
- B. 3
- C. 5
- D. 20
- E. 7

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 15

After performing the following operations:

```
$a = array('a', 'b', 'c');  
$a = array_keys(array_flip($a));
```

What will be the value of \$a?

- A. array('c', 'b', 'a')
- B. array(2, 1, 0)
- C. array('a', 'b', 'c')
- D. None of the above

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 16

Which of the following functions are used to escape data within the context of HTML? (Choose two.)

- A. htmlentities()

- B. addslashes()
- C. stripslashes()
- D. strip\_tags()
- E. htmlspecialchars()

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 17

What is the output of the following code?

```
$string = 'Good luck!';  
$start = 10;  
var_dump(substr($string, $start));
```

- A. string(0) ""
- B. bool(false)
- C. string(1) "!"
- D. string(2) "k!"

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 18

Consider 3 PHP files that are called asynchronously via XmlHttpRequest:

```
// s1.php
session_start();
sleep(1);
```

```
// s2.php
session_start();
sleep(2);
```

```
// s3.php
session_start();
sleep(3);
```

Which of the following statements is true? (Choose two.)

- A. The total execution time for all 3 requests will be the maximum of the longest sleep() call
- B. The requests may be processed out of order
- C. The requests are guaranteed to be executed in order
- D. Concurrent requests will be blocked until the session lock is released

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 19

Which of the following expressions will evaluate to a random value from an array below?

```
$array = [ "Sue", "Mary", "John", "Anna" ];
```

- A. array\_rand(\$array);
- B. array\_rand(\$array, 1);
- C. shuffle(\$array);
- D. \$array[array\_rand(\$array)];



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E. `array_value($array, ARRAY_RANDOM);`

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 20

Which of the following is NOT true about PHP traits? (Choose two.)

- A. Multiple traits can be used by a single class
- B. A trait can implement an interface
- C. A trait can declare a private variable.
- D. Traits are able to be auto-loaded.
- E. Traits automatically resolve conflicts based on definition order.

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 21

What Content-Type HTTP header value is required when sending an HTTP POST request using JavaScript to ensure that PHP can access the data?

- A. `application/x-www-form-urlencoded`
- B. `http/post`
- C. `text/html`

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D. object/multipart-formdata

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 22**

Which of the following are NOT acceptable ways to create a secure password hash in PHP? (Choose two.)

- A. md5 ( )
- B. hash\_pbkdf2 ( )
- C. password\_hash ( )
- D. crypt ( )
- E. openssl\_digest ( )

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 23**

An HTML form has two submit buttons. After submitting the form, how can you determine with PHP which button was clicked?

- A. An HTML form may only have one button.
- B. You cannot determine this with PHP only. You must use JavaScript to add a value to the URL depending on which button has been clicked.
- C. Put two buttons in different forms, but make sure they have the same name.
- D. Assign name and value attributes to each button and use \$\_GET or \$\_POST to find out which button has been clicked.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 24

An HTML form contains this form element:

```
<input type="file" name="myFile" />
```

When this form is submitted, the following PHP code gets executed:

```
move_uploaded_file(
    $_FILES['myFile']['tmp_name'],
    'uploads/' . $_FILES['myFile']['name']
);
```

Which of the following actions must be taken before this code may go into production? (Choose two.)

- A. Check with `is_uploaded_file()` whether the uploaded file `$_FILES['myFile']['tmp_name']` is valid.
- B. Sanitize the file name in `$_FILES['myFile']['name']` because this value is not consistent among web browsers.
- C. Check the charset encoding of the HTTP request to see whether it matches the encoding of the uploaded file.
- D. Sanitize the file name in `$_FILES['myFile']['name']` because this value could be forged.
- E. Use `$HTTP_POST_FILES` instead of `$_FILES` to maintain upwards compatibility.

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 25

Which options do you have in PHP to set the expiry date of a session?

- A. Set the `session.duration` directive in `php.ini`
- B. Set session cookie expiry date locally via `session_set_cookie_params()`
- C. Set session expiry date locally via `session_cache_expire()`

D. None of the above

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 26

What is the output of the following code?

```
class Test {  
    public $var = 1;  
}  
  
function addMe(Test $t) {  
    $t->var++;  
}  
  
$t = new Test();  
addMe($t);  
echo $t->var;
```

- A. 1
- B. 2
- C. null

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 27

Given a php.ini setting of

default\_charset = utf-8

what will the following code print in the browser?

```
header('Content-Type: text/html; charset=iso-8859-1');  
  
echo '&#9986;&#10004;&#10013;';
```

- A. Three Unicode characters, or unreadable text, depending on the browser
- B. & # 9986 ; & # 10004 ; & # 10013
- C. A blank line due to charset mismatch

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 28

Consider the following table data and PHP code. What is the outcome?

Table data (table name “users” with primary key “id”):

| id | name  | email              |
|----|-------|--------------------|
| 1  | anna  | alpha@example.com  |
| 2  | betty | beta@example.org   |
| 3  | clara | gamma@example.net  |
| 5  | sue   | sigma@example.info |

PHP code (assume the PDO connection is correctly established):



```

$dsn = 'mysql:host=localhost;dbname=exam';
$user = 'username';
$pass = '*****';
$pdo = new PDO($dsn, $user, $pass);

try {
    $cmd = 'INSERT INTO users (id, name, email) VALUES (:id, :name, :email)';
    $stmt = $pdo->prepare($cmd);
    $stmt->bindValue('id', 1);
    $stmt->bindValue('name', 'anna');
    $stmt->bindValue('email', 'alpha@example.com');
    $stmt->execute();
    echo "Success!";
} catch (PDOException $e) {
    echo "Failure!";
    throw $e;
}

```

- A. The INSERT will succeed and the user will see the "Success!" message.
- B. The INSERT will fail because of a primary key violation, and the user will see the "Success!" message.
- C. The INSERT will fail because of a primary key violation, and the user will see a PDO warning message.
- D. The INSERT will fail because of a primary key violation, and the user will see the "Failure!" message.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 29

What is the output of the following code?

```

namespace MyNamespace;
class Test {
}
echo Test::class;

```

- A. MyNamespace\Test
- B. empty string
- C. parse error
- D. Test

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 30**

What is the output of the following code?

```
echo "22" + "0.2", 23 . 1;
```

- A. 220.2231
- B. 22.2231
- C. 22.2,231
- D. 56.2

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 31**

What is the output of the following code?

```
$first = "second";  
$second = "first";  
echo $$$first;
```

- A. "first"
- B. "second"
- C. an empty string
- D. an error

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 32

Which of the following techniques ensures that a value submitted in a form can only be `yes` or `no`?

- A. Use a select list that only lets the user choose between `yes` and `no`.
- B. Use a hidden input field that has a value of `yes` or `no`.
- C. Enable the `safe_mode` configuration directive.
- D. None of the above.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 33

What is the output of the following code?

```
for ($i = 0; $i < 1.02; $i += 0.17) {  
    $a[$i] = $i;  
}  
echo count($a);
```

- A. 1
- B. 2
- C. 6
- D. 7

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 34

Given a DateTime object that is set to the first second of the year 2017, which of the following samples will correctly return a date in the format '2017-01-01 00:00:01'?

- A. `$datetime->format('%Y-%m-%d %h:%i:%s')`
- B. `$datetime->format('%Y-%m-%d %h:%i:%s', array('year', 'month', 'day', 'hour', 'minute', 'second'))`
- C. `$datetime->format('Y-m-d H:i:s')`
- D. `$date = date("Y-m-d H:i:s", $datetime);`

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 35

Which of the following are valid code snippets? (Choose three.)

- A. function 4You(){}  
B. function\_ 4You(){}  
C. function object(){}  
D. \$1 = "Hello";  
E. \$\_1 = "Hello World";

**Correct Answer:** BCE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 36**

What is the output of the following code?

```
try {  
    class MyException extends Exception {};  
    try {  
        throw new MyException;  
    }  
    catch (Exception $e) {  
        echo "1: ";  
        throw $e;  
    }  
    catch (MyException $e) {  
        echo "2: ";  
        throw $e;  
    }  
}  
catch (Exception $e) {  
    echo get_class($e);  
}
```

- A. A parser error, try cannot be followed by multiple catch
- B. 1:Exception
- C. 1:MyExeption
- D. 2:MyException
- E. MyException

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 37**

What can prevent PHP from being able to open a file on the hard drive? (Choose two.)

- A. File system permissions
- B. File is outside of open\_basedir
- C. File is inside the /tmp directory
- D. PHP is running in CGI mode

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 38**

What exception type will catch the error raised by the expression  $2 / 0$ ?

- A. LogicException
- B. RangeException
- C. DivisionByZeroError
- D. ArithmeticError

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 39**

What function can reverse the order of values in an array so that keys are preserved?

- A. array\_flip()
- B. array\_reverse()
- C. rsort()
- D. krsort()
- E. array\_multisort()

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 40**

What is the output of the following code?

```

class Number {
    private $v;
    private static $sv = 10;
    public function __construct($v) { $this->v = $v; }
    public function mul() {
        return static function ($x) {
            return isset($this) ? $this->v*$x : self::$sv*$x;
        };
    }
}

$one = new Number(1);
$two = new Number(2);
$double = $two->mul();
$x = Closure::bind($double, null, 'Number');
echo $x(5);

```

- A. 5
- B. 10
- C. 50
- D. Fatal error

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 41

You work for a shared hosting provider, and your supervisor asks you to disable user scripts to dynamically load PHP extensions using the `d1()` function. How can you do this? (Choose two.)

- A. Set `enable_dl` to `off` in the server's `php.ini` configuration file



- B. Add `d1` to the current value of `disable_functions` in the server's `php.ini` configuration file.
- C. Add `d1` to the current value of `disable_classes` in the server's `php.ini` configuration file.
- D. Write a custom function called `d1()`, save it under the name `prepend.inc` and then set the `auto_prepend_file` directive to `prepend.inc` in `php.ini`.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 42

Which of the following statements about SOAP are NOT true?

- A. SOAP is also a request-/response-based protocol.
- B. SOAP can be transported using SMTP, HTTP and other protocols.
- C. SOAP requires developers to use WSDL.
- D. SOAP traffic via HTTP can be encrypted and compressed just like other HTTP requests.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 43

Consider the following table data and PHP code. What is the outcome?

Table data (table name "users" with primary key "id"):

| id | name  | email              |
|----|-------|--------------------|
| 1  | anna  | alpha@example.com  |
| 2  | betty | beta@example.org   |
| 3  | clara | gamma@example.net  |
| 5  | sue   | sigma@example.info |

PHP code (assume the PDO connection is correctly established):

```
$dsn = 'mysql:host=localhost;dbname=exam';
$user = 'username';
$pass = '*****';
$pdo = new PDO($dsn, $user, $pass);

$stmt = $pdo->prepare("SELECT * FROM users WHERE id = :id");
$id = 3;
$stmt->bindParam('id', $id);
$stmt->execute();

$stmt->bindColumn(3, $result);
$row = $stmt->fetch(PDO::FETCH_BOUND);
```

- A. the database will return no rows.
- B. The value of \$row will be an array.
- C. The value of \$result will be empty.
- D. The value of \$result will be 'gamma@example.net'.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 44**

Which of the following will set a 10 seconds read timeout for a stream?

- A. `ini_set("default_socket_timeout", 10);`
- B. `stream_read_timeout($stream, 10);`
- C. Specify the timeout as the 5th parameter to the `fsockopen()` function used to open a stream
- D. `stream_set_timeout($stream, 10);`
- E. None of the above

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 45**

What is the output of the following code?

```
function z($x) {  
    return function ($y) use ($x) {  
        return str_repeat($y, $x);  
    };  
}  
  
$a = z(2);  
$b = z(3);  
echo $a(3) . $b(2);
```

- A. 22333
- B. 33222
- C. 33322
- D. 22233

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 46**

What are two reasons to use POST instead of GET when submitting a form? (Choose two.)

- A. Protection from Cross-Site Request Forgery
- B. POST requests can automatically encrypt data
- C. A much higher content size restriction
- D. Possibility to upload files

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://stackoverflow.com/questions/15861458/benefits-of-post-redirect-get>

#### **QUESTION 47**

What is a difference between the ?? operator and the ?: operator?

- A. The ?? operator combines the ternary operator with isset()
- B. The ?: operator combines the ternary operator with isset()
- C. The ?: operator is only supported by PHP 7 onwards

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.sitepoint.com/using-the-ternary-operator/>

#### **QUESTION 48**

Given the following PHP function:

```
function doSomething(?string $s) {
```

```
// ...  
}
```

Which of the following values for the \$s parameter do NOT yield a type error when calling the doSomething() function?

- A. 'null'
- B. null
- C. "
- D. All of the above

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 49

True or false: you can catch fatal errors (e.g., parse errors, out of memory errors, compilation errors) in PHP 7 using try/catch.

- A. True
- B. False

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 50

How do you allow the caller to submit a variable number of arguments to a function? (Choose two.)

- A. Using a prototype like function test(...\$parameters).
- B. Using a prototype like function test() and the function func\_get\_args() inside the function body
- C. Using a prototype like function test(\$parameters[]).
- D. Using a prototype like function test() and the function get\_variable\_args() inside the function body.
- E. This is not possible in PHP.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <http://php.net/manual/en/functions.arguments.php>

**QUESTION 51**

Given the following PHP code:

```
<?php>
class MyException extends Exception {
//
}

try {
throw new MyException('something went wrong');
}
***
{
echo $e->getMessage();
}
</php>
```

Which code, if put on place of \*\*\*, will NOT prompt the code to output “something went wrong” when run?

- A. catch (Exception \$e)
- B. catch (MyException \$e)
- C. catch (MyException | TheirException \$e)
- D. catch (Error \$e)
- E. None of the above

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

