

Final Exam of Server Side Technologies

Q1. When handling forms, two methods can be used: get and post. Briefly explain the main difference between the two methods.

Ans. GET and POST are two efficient techniques that can send the data to the server and browser necessarily need these to communicate to the server. The two methods are distinct where GET method adds the encoded data to the URI while in case of POST method the data is appended to the body rather than URI. Additionally, GET method is used for retrieving the data. Conversely, POST method is used for storing or updating the data.

Q2. When gathering data using a form, a basic validation process should be applied. Give two (2) examples of possible validations.

Ans. Validation of url

```
$website = input($_POST["site"]);  
  
if (!preg_match("/\b(?:?:https?|ftp):\/\/|www\.)([-a-z0-9+&@#\/%?~_ |!:,.;]*[-a-z0-9+&@#\/%?~_ |]/i",$website)) {  
    $websiteErr = "Invalid URL";  
}
```

Validation of email

```
$email = input($_POST["email"]);
```

```
if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {  
    $emailErr = "Invalid format and please re-enter valid email";  
}
```

Q3. What function is used to send mail?

Ans. PHP makes use of mail () function to send an email.

This function requires three mandatory arguments that specify the recipient's email address, the subject of the the message and the actual message additionally there are other two optional parameters. mail(to, subject, message, headers, parameters); Here is the description for each parameters

Q4. Based on the code below, answer the following questions.

A) What is the value type stored in this variable?

B) What is the variable scope of these two variables?

C) What would be the result of this command?

Ans. A. Age

B. This will show First and Last name

C. This will show First Name only

Q5. On the empty line of the code below, write the necessary codes to output to screen the following result:

John Smith is only 17

Ans. <?php

```
$userAge = 17;
```

```
function showName() {
```

```
    echo $userFirstName = "John";
```

```
    echo $userLastName = " Smith";
```

```
}
```

```
showName();
```

```
echo " is only $userAge";
```

```
?>
```

Q6. What would be the result of the mathematic operation below?

Ans.4

Q7. In the code below, a value must be passed to an argument to print a string to screen. Fill the blank with the appropriate code so «Hello World» would be output to screen.

Ans. <?php

```
function myFunction($myArgument) {  
    echo "$myArgument";  
}  
myFunction("Hello World");  
?>
```

Q8. The code below should output to screen a string followed by the values of two variables. Within the parenthesis of the function being called, fill the blank so the program work as intended and outputs: «Member's full name: John Smith».

Ans. <?php

```
function ourMembers() {  
    echo "<<Member's full name: john Smith>>";  
}  
ourMembers( );  
?>
```

Q9. In the empty space below, write the necessary codes to :

- Create a class named « cars ».
- The class will contain the following public properties: model, year and color.

- The class must contain a function made to output to screen the three properties.
- Create a new object (instance) from the class you just created.

Ans.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<?php
```

```
class Cars {
```

```
    public $model;
```

```
    public $year;
```

```
    public $color;
```

```
    function set_model($model) {
```

```
        $this->model = $model;
```

```
    }
```

```
    function get_model() {
```

```
        return $this->model;
```

```
    }
```

```
function set_year($year) {
    $this->year = $year;
}

function get_year() {
    return $this->year;
}

function set_color($color) {
    $this->color = $color;
}

function get_color() {
    return $this->color;
}
}

$vehicle = new Cars();
$vehicle->set_model('Mercedes C300 ');
$vehicle->set_year('2020 ');
$vehicle->set_color('Black');
echo "Model: " . $vehicle->get_model();
echo "<br>";
```

```
echo "Year: " . $vehicle->get_year();  
echo "<br>";  
echo "Color: " . $vehicle->get_color();  
?>
```

```
</body>
```

```
</html>
```