1. Define the following terms:
2. Function
3. Invoking function
4. Function block
5. Recursive function
6. Differentiate the following terms and give an example for each one.
7. Argument vs Parameter
8. Built-in vs User-defined function
9. Local vs global variables
10. Give 4 advantages of using function

Here are some advantages of using functions:

* **Functions reduces the repetition of code within a program** — Function allows you to extract commonly used block of code into a single component. Now you can perform the same task by calling this function wherever you want within your script without having to copy and paste the same block of code again and again.
* **Functions makes the code much easier to maintain** — Since a function created once can be used many times, so any changes made inside a function automatically implemented at all the places without touching the several files.
* **Functions makes it easier to eliminate the errors** — When the program is subdivided into functions, if any error occur you know exactly what function causing the error and where to find it. Therefore, fixing errors becomes much easier.
* **Functions can be reused in other application** — Because a function is separated from the rest of the script, it's easy to reuse the same function in other applications just by including the php file containing those functions.

Top of Form

4. What will be displayed in a browser when the following PHP code is executed:

<?php

**function** greeting() {

echo "Welcome To ThePHPBasics";

}

echo "Robert, ";

greeting();

?>

1. Welcome To ThePHPBasics
2. Robert, Welcome To ThePHPBasics
3. Robert Welcome To ThePHPBasics
4. Robert,

5. What will be displayed in a browser when the following PHP code is executed:

<?php

**function** greeting($name) {

echo "$name, Welcome To ThePHPBasics";

}

greeting("Robert");

?>

1. Welcome To ThePHPBasics
2. Robert, Welcome To ThePHPBasics
3. Robert Welcome To ThePHPBasics
4. Robert,

6. What will be displayed in a browser when the following PHP code is executed:

<?php

**function** hobbies($hobby1, $hobby2, $hobby3) {

echo "Julia likes, $hobby2, $hobby1, and $hobby3.";

}

hobbies("Shopping", "Eatting", "Movies");

?>

1. Julia likes, Shopping, Movies, and Eatting.
2. Julia likes, Shopping, Eatting, and Movies.
3. Julia likes, Movies, Shopping, and Eatting.
4. Julia likes, Eatting, Shopping, and Movies.

7. What will be displayed in a browser when the following PHP code is executed:  
**Note:** This may be a tough one for new PHP programmers but just think about it.

<?php

**function** changeValue($y) {

$y = $y + 5;

}

$myNumber = 8;

changeValue($myNumber);

echo $myNumber;

?>

1. 13
2. 12
3. 8
4. None of the above

8. What will be displayed in a browser when the following PHP code is executed:  
**Note:** This may be a tough one for new PHP programmers but just think about it.

<?php

**function** changeValue(&$y) {

$y = $y + 5;

}

$myNumber = 8;

changeValue($myNumber);

echo $myNumber;

?>

1. 13
2. 12
3. 8
4. None of the above

**9. The file\_exists() function does what?**

1. Reads a file into a string
2. Checks whether or not a file or directory exists
3. Returns the file size
4. Writes to an open file

Bottom of Form

10. Complete the table below.

| **Modes** | **What it does** |
| --- | --- |
| r | Open the file for reading only. |
| r+ | Open the file for reading and writing. |
| w | Open the file for writing only and clears the contents of file. If the file does not exist, PHP will attempt to create it. |
| w+ | Open the file for reading and writing and clears the contents of file. If the file does not exist, PHP will attempt to create it. |
| a | Append. Opens the file for writing only. Preserves file content by writing to the end of the file. If the file does not exist, PHP will attempt to create it. |
| a+ | Read/Append. Opens the file for reading and writing. Preserves file content by writing to the end of the file. If the file does not exist, PHP will attempt to create it. |
| x | Open the file for writing only. Return FALSE and generates an error if the file already exists. If the file does not exist, PHP will attempt to create it. |
| x+ | Open the file for reading and writing; otherwise it has the same behavior as 'x'. |