

\$car = new Car(); \$car has a \_\_\_\_\_ data type.

Object

Containers for storing information.(Answer in UPPERCASE)

## VARIABLES

1.0 is an integer.

False

True if either statement is true (answer is an operator).

OR

PHP scripts are executed on the client-side.

False

A variable declared outside a function.

Global

Used to perform operations on variables and values. (Answer in UPPERCASE)

## OPERATORS

String is a series of characters

True

Possible values of Boolean.

True

False

1

0

Evaluate the following. (\$x = 1, \$y = 2, \$z = 5)

\$x != 0    \$z = 5	TRUE
!(\$y > \$x) && \$x == 1	FALSE
!(\$y > \$y) && \$x == 1    \$z == 5	TRUE
!\$x == 1 && \$y <= \$z	FALSE
(!\$x == 1 && \$y <= \$z)    \$x >= 1	TRUE

Often used to output data to the screen in PHP.

echo

Choose all the valid PHP variables in the list.

\$\_var1

\$num\_2

## PHP String Functions

```
$string = 'hello world';echo ltrim(ucfirst(explode(' ', $string)[1]) . ' ' . $string, 'World');
```

hello world

```
$string = 'hello world';echo strrev($string);
```

dlrow olleh

```
$string = 'hello world';echo ucwords(str_replace('world', 'Maria', $string));
```

Hello Maria

```
$string = 'hello world';echo (strlen(explode(' ', str_replace('hello', 'infinite', $string))[1]) * 100) % 2;
```

0

```
$string = 'hello world';echo ucfirst(explode(' ', $string)[1]);
```

World

```
$string = 'hello world';echo explode(' ', str_replace('hello', 'infinite', $string))[1];
```

world

```
$array = array('hello', 'world');echo implode('+', $array);
```

hello, world

```
$string = 'hello world';echo str_split($string)[1];
```

e

```
$string = 'hello world';echo strlen(explode(' ', str_replace('hello', 'infinite', $string))[1]);
```

5

```
$string = 'hello world';echo rtrim(ucfirst(explode(' ', $string)[1]) . ' ' . $string, 'world');
```

World hello

## PHP Looping

Two types of control structure.

conditional

iterative

What is the output?

```

1  <?php
2  $x = 1;
3  $y = 3;
4
5  if($x > $y) {
6      echo '1';
7  } else if($x > 0) {
8      echo '2';
9  }
10
11 if($x = 1 && $y >= 3) {
12     echo 'Try';
13 }
14
15 echo '4';
16
17 ?>

```

2Try4

Find the output.

```

1  <?php
2
3  $x = 1;
4
5  while($x <= 10) {
6      echo $x;
7      $x++;
8  }
9
10 ?>

```

12345678910

Find the output.

```

1  <?php
2
3  for($x = 1; $x <= 10; $x+=2) {
4      echo $x . '-';
5  }
6
7  ?>

```

1-3-5-7-9-

Find the output.

```

1  <?php
2
3  ✓ for($x = 1; $x <= 10; $x++) {
4      echo $x . '-';
5  }
6
7  ?>

```

1-2-3-4-5-6-7-8-9-10-

Find the output.

```

1  <?php
2
3  $x = 1;
4
5  while($x <= 10) {
6      echo $x * 2;
7      $x++;
8  }
9
10 ?>

```

2468101214161820

```

1  <?php
2  $x = 1;
3  $y = 5;
4
5  if($x == 1) {
6      if($y == 3) {
7          if($x < $y) {
8              echo 'Yeah';
9          } else {
10             echo 'Doubt';
11         }
12     } else {
13         echo 'Bread';
14     }
15 } else {
16     echo 'Campus';
17 }
18
19 ?>

```

Bread

What is the output?

```

1  <?php
2  $x = 1;
3  $y = 5;
4  $x = 0;
5
6  if($x == 1) {
7      if($y == 3) {
8          if($x < $y) {
9              echo 'Yeah';
10             } else {
11                 echo 'Doubt';
12             }
13         } else {
14             echo 'Bread';
15         }
16     } else {
17         echo 'Campus';
18     }
19
20  ?>

```

Campus

Find the output.

```

1  <?php
2
3  for($x = 1; $x <= 50; $x+=2) {
4      if($x < 50 && $x % 2 != 0) {
5          $x+=1;
6          echo $x;
7      }
8  }
9
10  ?>

```

2

What is the output

```

1  <?php
2  $x = 1;
3  $y = 3;
4
5  if($x == 1) {
6      if($y == 3) {
7          if($x < $y) {
8              echo 'Yeah';
9          } else {
10             echo 'Doubt';
11         }
12     } else {
13         echo 'Bread';
14     }
15 } else {
16     echo 'Campus';
17 }
18
19 ?>

```

Yeah

What is the output?

```

1  <?php
2  $x = 1;
3  $y = 3;
4
5  if($x > $y) {
6      echo '1';
7  } else if($x > 0) {
8      echo '2';
9  }
10
11 echo '4';
12
13 ?>

```

24

What is the final value of \$x when the code for(\$x=0; \$x<10; \$x++) {} is run?

10

You can use if statements inside a loop and vise-versa.

True

You can use if statements to create a simple calculator.

False

Used to specify a new condition to test, if the first condition is false.

**if...elseif...else...**

Logical operators can't be used in conditional statements.

**True**

Always execute the block of code once, it will then check the condition, and repeat the loop while the condition is true.

**while loop**

Accepts one formal parameter, which should be either an integer, float or string primitive variable.

**case statement**

Execute some code if a condition is true and another code if the condition is false.

**if...else...**

In many languages, including PHP, the body of a loop must be enclosed by what character?

**curly braces**

Looping execute a block of code a specified number of times, or while a specified condition is true.

**True**

The language PHP, amongst others, has a loop known as a 'do ... while' loop. How does this differ from a regular 'while' loop?

**It checks the condition at the end rather than the start of the loop**

What is the number of iterations in the following loop: `for ($i = 1; $i < $n; $i++) { // iteration }`

**n**

When creating a loop, the programmer usually needs to be careful that their loop does not run forever. What is the term used to describe a loop which does not stop?

**infinite loop**

foreach usually used to loop array indexes.

**True**

Used to execute some code only if a specified condition is true.

**If statement**

## LavaLust Framework

Contains all the code of your application that you are building.

## App

LavaLust is based on the Model-View-Controller (MVC) development pattern.

## True

The Controller serves as an intermediary between the Model, the View, and any other resources needed to process the HTTP request and generate a web page.

## True

there is a min() method in form\_validation.

## True

Whenever a request comes to LavaLust, it will first go to \_\_\_\_\_ page.

## index.php

form\_validation is a helper function.

## False

There is no Email Library in LavaLust.

## False

Application's HTML files will be placed in this folder.

## View

You can get input from html form using \$this->io or the IO Class.

## True

\$this->call->view() has 2 parameters. The view file and the model file.

## False

This folder contains all the cached pages of your application.

## Cache

An application development framework, which can be used to develop websites, using PHP.

## LavaLust

\$this->call->model() is use to call model class.

## True

You can set the default controller and method in LavaLust.

## True

This folder can contain all JavaScript, CSS, images and other external files.

## Scheme



**AKO PO AY DI SURE SA MGA SAGOT NA MAEENCOUNTER NIYO KAYA  
PLEASE ITAMA NIYO KASI MAGALING NAMAN KAYO MAGTAMA DIBA!**

Hacking is an authorized access to or control over computer network security systems for some illicit purposes.

True

Cybercriminals could view your stored data on the phone, including identity and financial information.

True

Download only phone apps from the legitimate marketplaces that police themselves for malware-carrying apps, such as Google Play and Amazon Appstore.

True

This is the crime of targeting individuals or members of entire organization to lure them into revealing sensitive information through social engineering.

Phishing

These are the major organizations that has been hacked or cracked the computer systems by the group of teenagers, except.

United Nations Population Fund

Which device is more fractured and have a greater risk of data corruption?

Android Phones

These are the hacking techniques.

All of the above (Botnets, Ransomware, Denial of service)

What cybercriminals can do?

View your stored data

White hat hackers hack their own security systems to checked and make it more hack-proof.

True

Blue hat hackers are amateur hackers who carry out malicious acts like revenge attacks.

True

What do you call to the tactics of hackers like psychology trick?

Social engineering

In year 2017, Apple confirms that Macs get malware.

False

Which of the following does whiter hacker do?

Check and make the security system more hack-proof.

Phone hackers have the advantage of many computer hacking techniques, which are easy to adapt to Androids.

True

This type of hackers called as crackers by some computer experts.

Black hat hackers

What is the meaning of PoLP?

Enforce the Principle of Least Privilege

This is the headline of an article in a 1980 edition Psychology Today.

The Hackers Papers

Hacking is a crime of targeting individuals or members of entire organization to lure them into revealing sensitive information through social engineering.

False

A legitimate law enforcement might hack phones even without warrant to store an information or data about the suspect.

False

Recent examples of hacking on Macs and Mac malware, except.

Emotet

Green hat hackers might report their discovery to the target owner and offer to repair the vulnerability for a small fee.

False

Hackers can also use psychology trick to the user by clicking on malicious attachment or providing personal data, called as hactivist.

False

Around 5 billion Yahoo users were affected by the biggest hack in history.

False

In what year does Apple confirm that Macs get malware?

2021

Hacking first appeared as a term in the 1980s.

False

A hacker who wants to learn about and observe hacking techniques on hacking forums?

Green hat hackers

Hactivist strive to focus public attention on an issue by garnering unflattering attention on the target.

True

Which is not included in the concentric rings of precautions.

None of the above

iPhones are much more fractured and have a greater risk of data corruption and data theft.

False

Bluehacking gains access to your devices when it shows up on unprotected Bluetooth network.

True

These are the tips on how to protect your business from hacking. Except

Implementation network inclusion

Hackers are motivated by the following except.

Revenge

These are the types of hacking/hackers.

All of the above (Criminal chuchu, Gaining chuchu, Burnishing chuchu)

Early hackers were called phreaks.

True

Hacking is an activity that seek to compromise digital devices, such as computers, smartphones, tablets, and even entire networks.

True

These are the legitimate marketplaces for downloading an app. Except

Browser

The word “hacker” was first use in 1970 on a Newsweek article.

False

These are the tips to prevent hacking, except,

Visit an unreliable site.

Which country has the highest number of dangerous hackers?

China

Hackers are motivated by financial gain, protest, information gathering (spying), and even just for the “fun” of the challenge.

True

update() has 1 parameter which is a string

True

delete from users where user\_id = 1

`$this->db->table('users')->delete()->exec()`

between function has three parameters. the last parameter is an array.

False

This folder contains all the cached pages of your application (UPPERCASE)

CACHE

xss\_clean is a function in security helper

True

You can autoload helpers, libraries, and controllers.

True

set\_flash() is a valid session library method.

True

inner\_join() has 2 parameters, right table and the columns the left and right table matched.

True

Methods will get arguments from the URI.

True

select \* from users u inner join user\_info ui on u.user\_id = ui.user\_id where  
username = 'acidcore'

`$this->db->table('user as u')->inner_join('user_info as ui, 'u.user_id =  
ui.user_id')->where('u.username', 'acidcore')->get()`

Controller is not a kernel class.

False

`$this->call->database` initialized the variable `$this->database`.

False

`select count('username') from users where user_id = 1`

`$this->db->table('user')->select_count('username')->where('user_id', 1)->get()`

`$this->call->model->(array('user_model' => 'userdb'))`; is a valid way to load model.

False

`$this->call->libraries(array('session', 'cache'))`; is a valid way to load library.

True

PHP file to create controllers and models using command line.

CLI.PHP

`$lava_instance` is a super object that can be use if you want to access bases controller within none object file.

True

This folder contains all the cached pages of your application (UPPERCASE)

CACHE

You can use `limit()` function to sort the records.

True

This folder can contain all JavaScript, CSS, images and other external files.

INDEX

`$this->call ('user_model' => 'userdb'))`; is a valid way to load model.

True

`select()` has 2 parameters, column name and alias

True

`insert()` is a method in Lavalust query builder

True

`$this->call->model->(array('user_model'));` is a valid way to load model.

True

`$this->load` is now `$this->call` in Lavalust.

True

IO, Security, Registry are scheme file or system files.

True

`delete()` has a single parameter which is array

True

select username as un from users

`$this->db->table('users')->select('username as un')->gets()`