**Permanently Activate Apache & MySQL in XAMPP:**

Xampp->control\_panel->run\_as\_administrator->check\_Apache\_&\_MySQL.

* **string must be used inside quotes.**
* **Integer, float or Boolean no need of using quotes.**
* **Number inside quotes counted as String.**

**Note:** if you don’t want to calculate an integer types data in future use it as string. E.G: mobile Number.

* **Statement:** you must have to use ‘;’ semicolon finishing a statement.
* **Concatenation:** To add more string in one statement using ‘.’ Concatenation.
* **Echo Function:** To get output data, you can use () or not.
* **Print Function:** Same As echo, you can use () or not.
* **HTML in PHP:** use Html in php as string & must have to echo html tag.
* **Quotes inside quotes:** double inside single or single inside double.
* **Variable works inside double quotes. Inside single quotes var not works.**

**NOTE:** Good way using variable with concatenation.

* **Reference Variable:** Want to set var value as var like this **$$var= ‘another value’;** normally founded **two or more $.**

**OPERATORS**

* **Arithmetic ( + - \* / %);**
* **Assignment (=);**
* **Comparison ( < > >= <= == === !=);**
* **Increment/Decrement (++ --);**
* **Logical ( && || !) ;**
* **String (.);**
* **Array (Comparison);**

**………………………Switch Case && If Else………………**

* **If Else works for a range of value;**
* **Switch case works for a specific value;**

**………………………Looping………………..**

* You must have use a increment or decrement to control loop.

**…………………Function (build in & user\_defined)………….**

* **Case:** camelCase; snake\_case;
* **Echo & Return:** if you use echo inside function hit automatically when called. Or use return inside function must have to echo to work.
* **Argument**: When data passed by function when called.
* **Parameter**: Value Receive by Function Name.

**Array (index, associative, multidimensional):**

* **Options:** array(‘’, ‘’, ‘’, ‘’); **II** [‘’, ‘’, ‘’];
* **Check Array Data:**  Can check array data using **print\_r()** & **var\_dump()**; //**var\_dump sent strlen & data\_types;**
* **Pre tag:** use Pre tag to get synchronized Array Data;

**#Important Array Functions:**

* **Count();//**Count Array;
* **current();//** See the first value of array**;**
* **End();//** See the last value of array;
* **In\_array(‘search\_value’, ‘array\_name’); //** Search in array;
* **Array\_pop(‘array’);** Delete The last value of array;
* **Array\_push(‘array’, ‘value\_to \_add’);//** Add new value orarray in last or parent array;
* **Array\_shift(‘’); //** Remove first value of array;
* **Array\_unshift(‘array\_name’, ‘value’);//** Add value as first value;
* **Array\_reverse(‘array’);//**get the array reverse order;
* **Array\_slice(‘array’, index no where to start, index no to stop); //** Slice array;
* **Array\_splice(‘array’, index no to change or remove, how many to remove, ‘values’**);// Replace or Remove Array values;
* **Array\_unique(array);//**Removes duplicate values of array..

**……Implode & Explode….**

* **Implode:**  uses to make **string to array**, two parameter first one is spacer & second one is $var;
* **Explode:**  uses to make **Array to string**, two parameter first one is spacer & second one is $var;

**……Variable Types….**

* **Undefined variable:**  Var Declared without value;
* **Flag Variable:**  var Declared with “ “; Empty spaces.
* **Array Variable:** var Declared with **$name['Designer'] = "billal";**

**……Form Data….**

* **Get method:**  Data Sent by URL;
* **Post method:**  Data sent hide, Suggested Way;
* **Request:** Data sent by URL, no need using method in form.

**………Isset II Empty II Die……..**

* **Isset():**  Check value is set or not;
  + **Return true if value is null or empty.**
  + **Return false if undefined variable.**
* **Empty():**  Check only value is empty or not.
  + **Null value counted as empty.**
  + **Commonly used to check form input data.**
* **Die():**  Stop PHP Operation…..

**………..Variable Types**……..

* **global:**  var declared anywhere but outside a function;
* **local:**  var Declared inside a function.
* **$GLOBALS[‘’]:** Superglobal Variable works everywhere.
* **Global works inside function:**
  + **Global:** Declare Variable by global keyword.
  + **$GLOBALS[‘’]:** Or Declare by superglobal.

**………..Important Superglobals…………**

* **$GLOBASL[‘’]:**  Declare Data Globally.
* **$\_SERVER:** Get complete SERVER information.
* **$\_POST:** Hide Data Transfer Method.
* **$\_GET:** Data Transfer Method by URL.
* **$\_REQUEST:** Data transfer by URL no need using method.

**………include II require …………..**

* **Include(‘file.php’):**  include any php file.
* **Include\_once(‘file.php’):**  include File once only not be loaded 2nd time.
  + **If server doesn’t find included file will show warning and continue next script.**
* **require(‘file.php’):**  include any php file.
* **require\_once(‘file.php’):**  include File once only not be loaded 2nd time.
  + **If server doesn’t find required file will show fatal\_error and stop working.**

**MySQL information**

**Set host\_name, User\_name & Password -> Check Database & Go to Privilege -> Add user -> Check\_privilege -> Go;**

**DataBase Data Get Query:**

* **Fetch\_array($query);//** Get Data indexed & Associative both way.
* $data[‘name’];
* $data[‘1’];
* **Fetch\_assoc($query);//** Get Data Associative method;
  + $data[‘name’];
* **Fetch\_object($query);//** Get Data Associative method;
  + $data-> name;