**PHP**

(Hypertext Preprocessor )

Server side scripting language.

**Syntax :**

<?php

?>

**Softwares :**

XAMPP ( database connection )

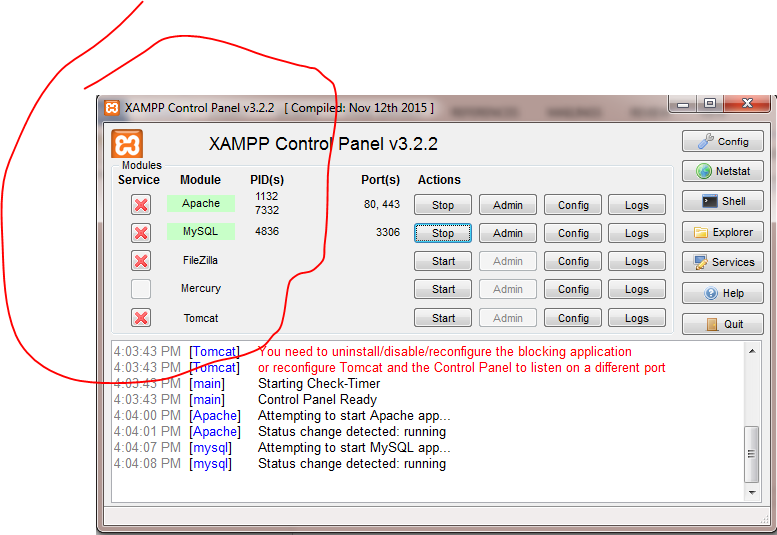
NOTE PAD++

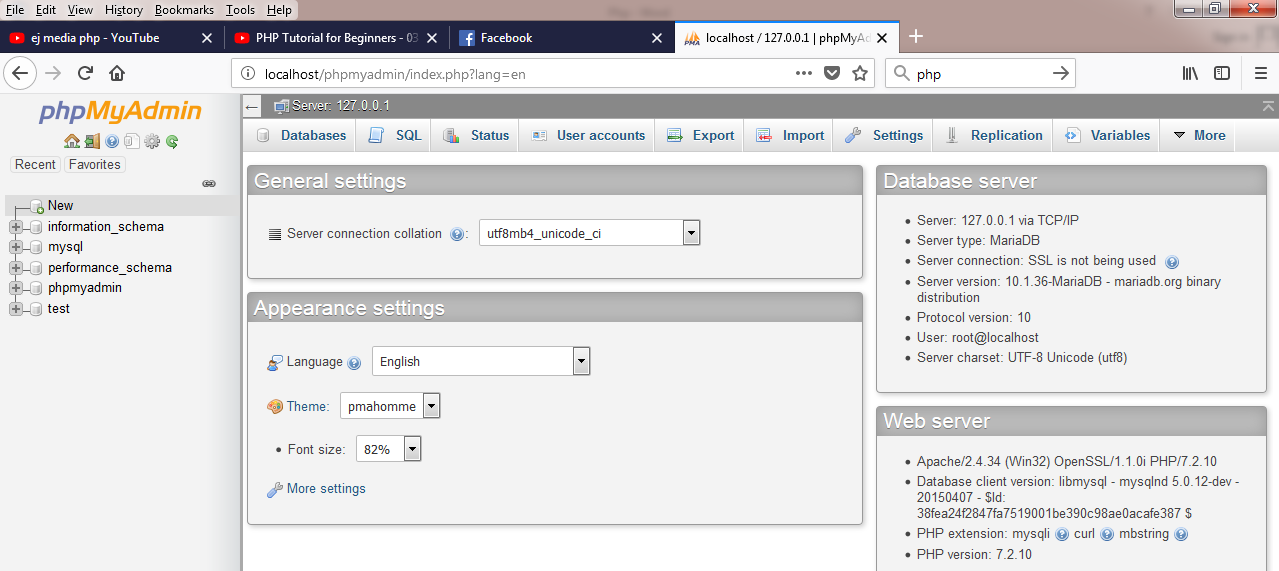
**Tutorials :**

https://www.youtube.com/playlist?list=PLr6-GrHUlVf86WpAyqV5dJUwYUUTzJWWV

**XAMPP :**

XAMPP should be running to run php codes.

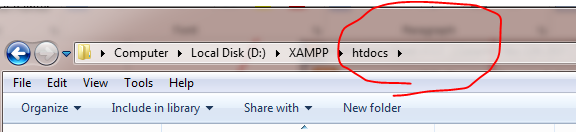




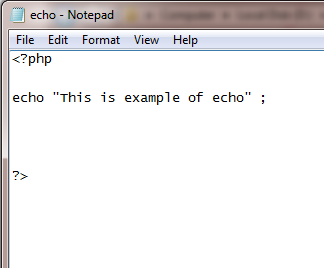
**localhost/phpmyadmin**

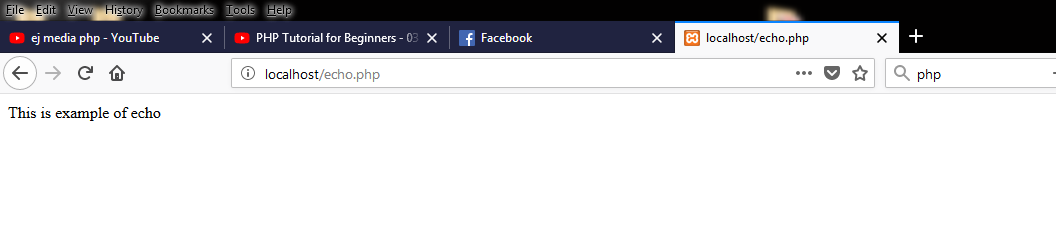
**Saving a php code :**

Save in your server directory.  
php files need a local host to execute.



**Echo :**



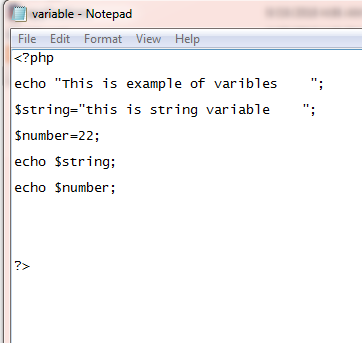
Will display the given string. 

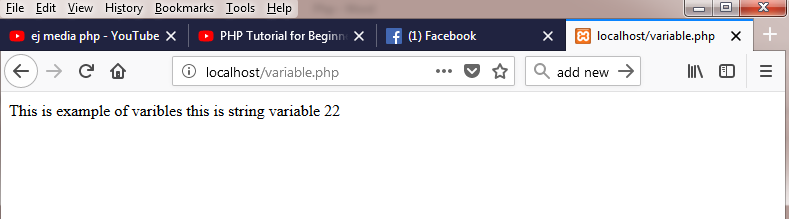
**Variables :**

**Syntax :**

$name=” “; #for string

$name=number; # for integers



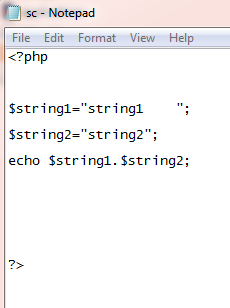


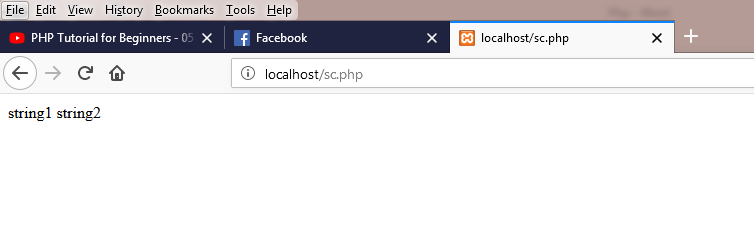
**String Concatenation :**

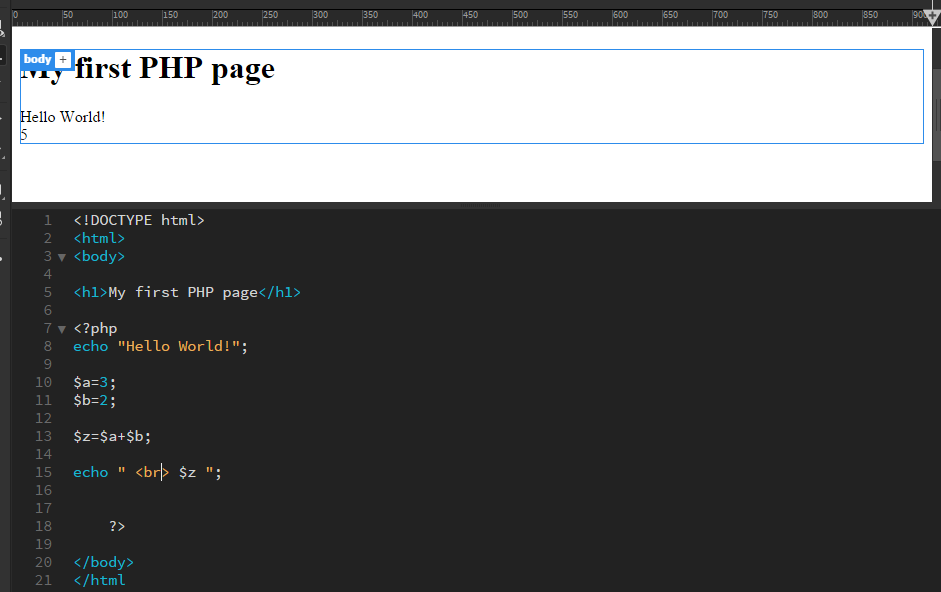
Combines two strings .

**Syntax :**

. placed in echo





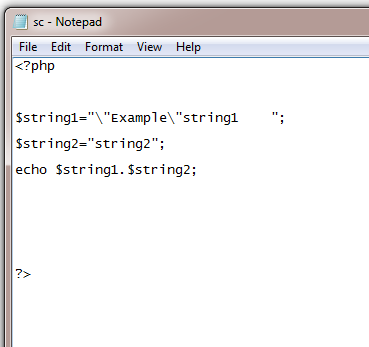


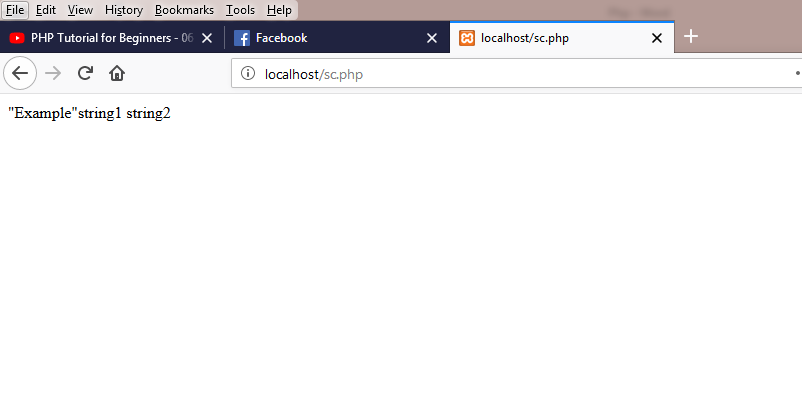
**Escape Characters :**

To add “ “ in your strings so that php can read.

**Syntax :**

\“Example\”



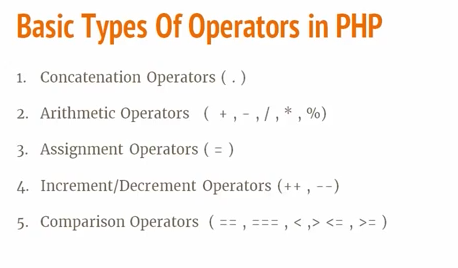


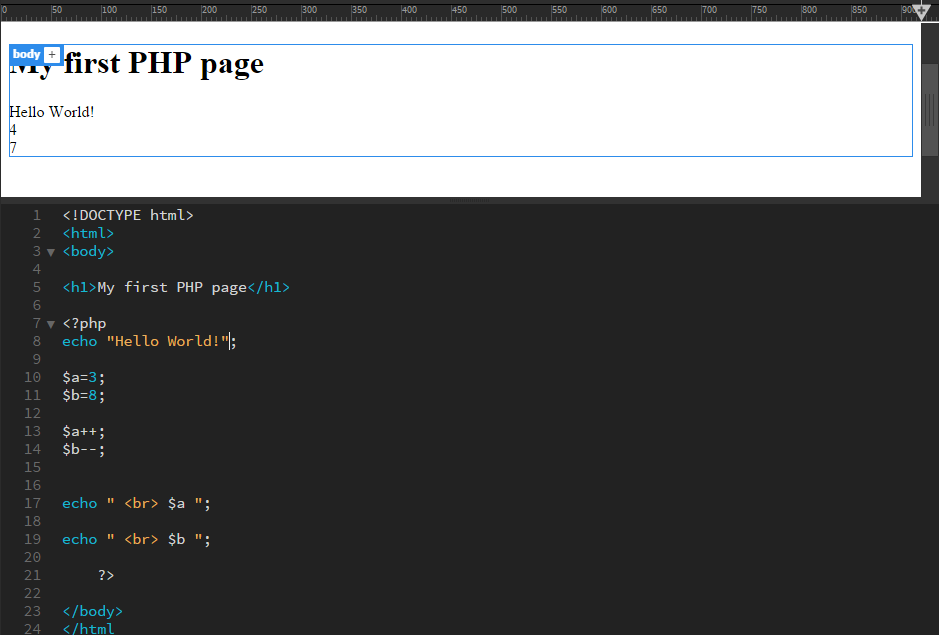
**Comments :**

// example //

/\* example \*/

Operators :





**Arrays :**

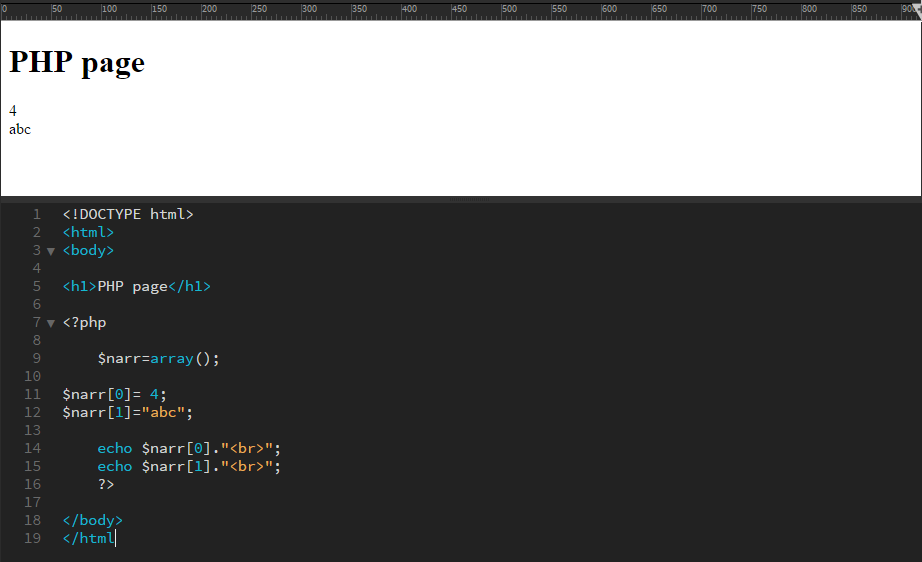
$variable\_name=array();

Example :

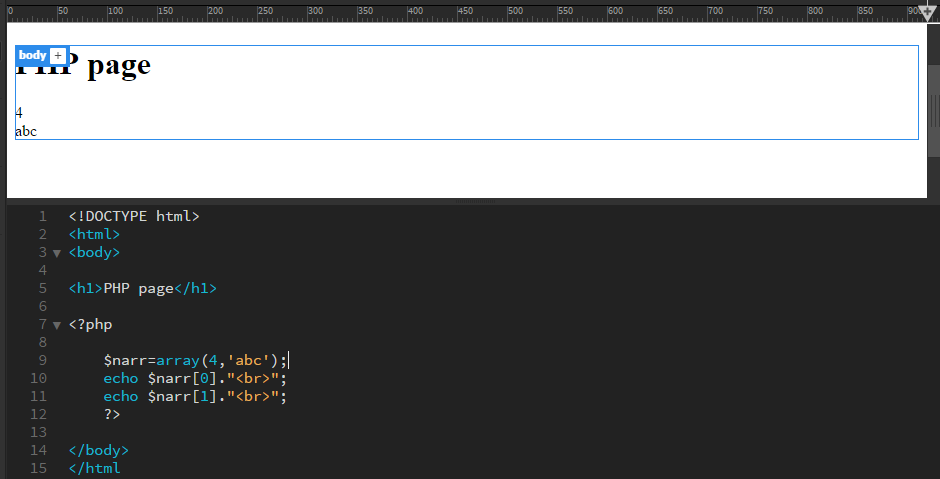
$narr=array();

narr[0]=4;

narr[1]=”abc”;



**Method 2:**



Method 3:

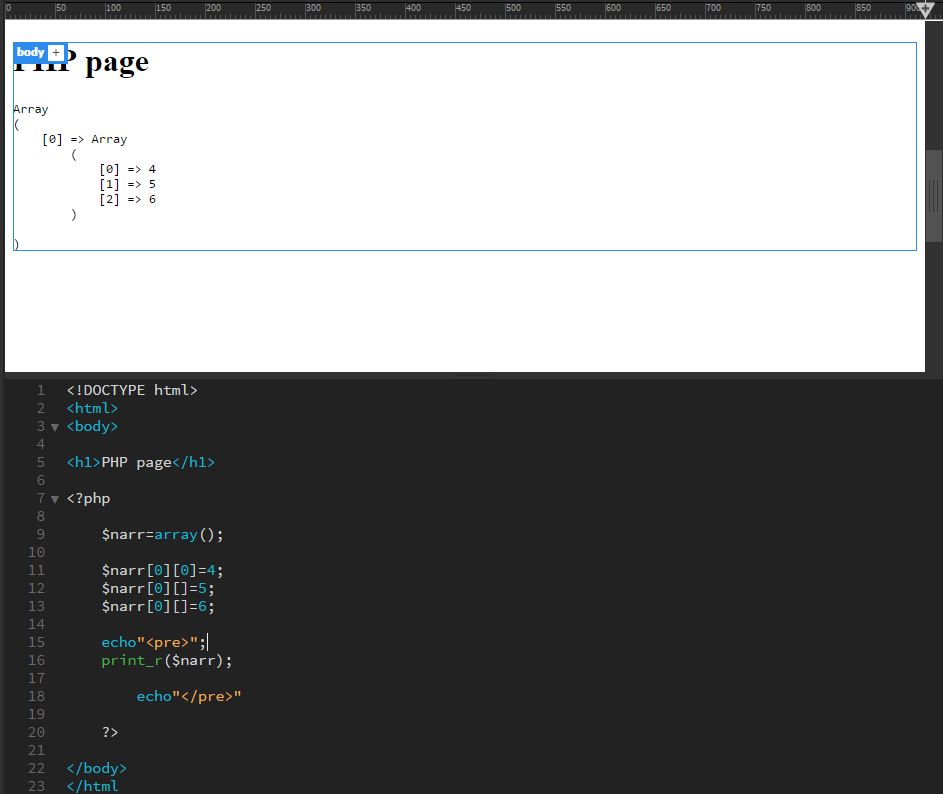


It means index 2 contains 4 (assigning)

It means index 5 contains abc (assigning)

Method 3 : (2d array )

The **print\_r**() function is a built-in function in PHP and is used to print or display information stored in a variable

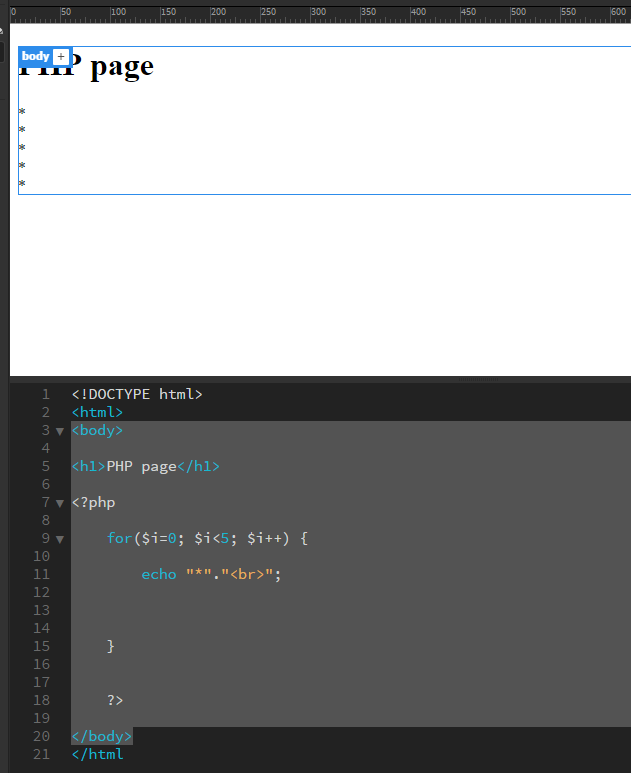


**For Loops :**

for($i=0; $i<=condition ; $i++ )

{

}

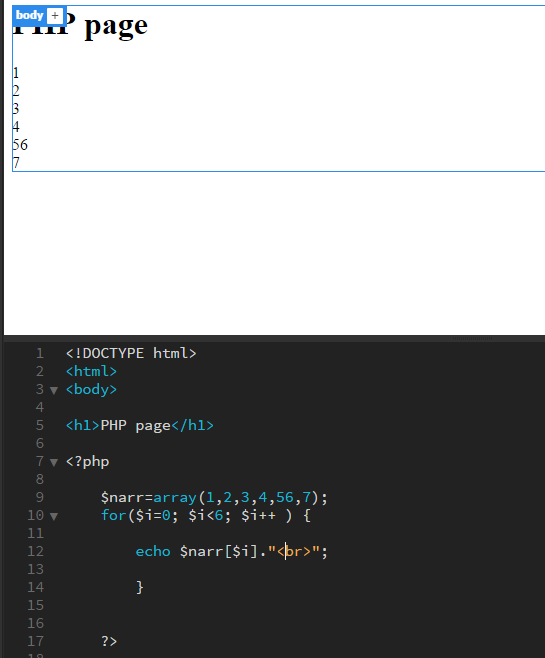


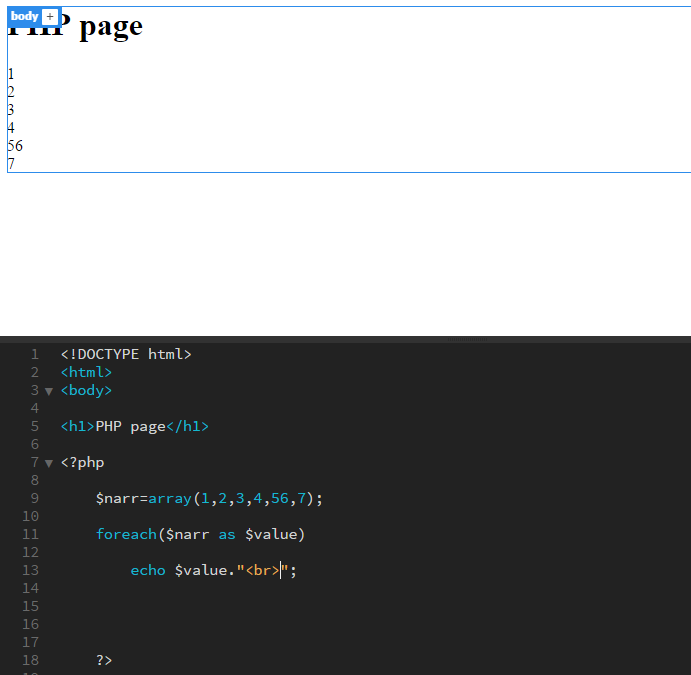
**Foreach : ( arrays only )**

The foreach loop works only on arrays, and is used to loop through each key/value pair in an array.

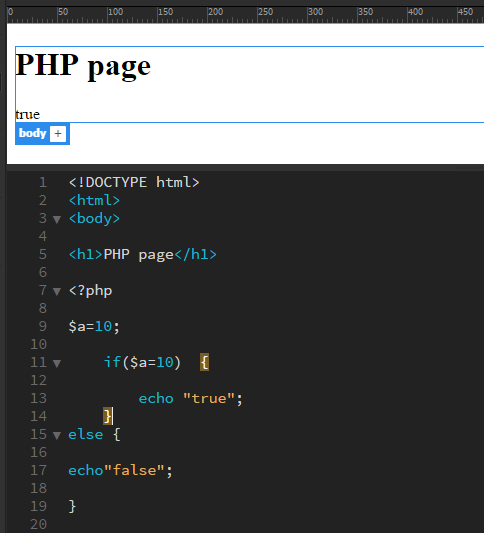
**Syntax**

foreach ($*array*as$*value*) {  
    *code to be executed;*  
}





**IF ELSE :**

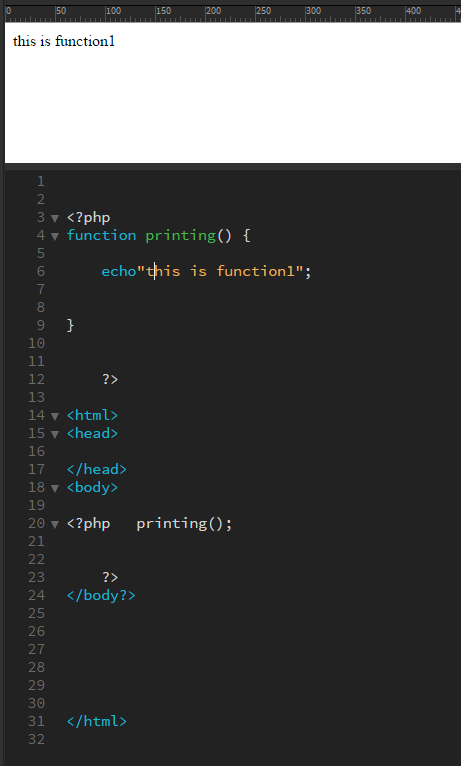


**Functions :**

Function\_name (parameters)

{

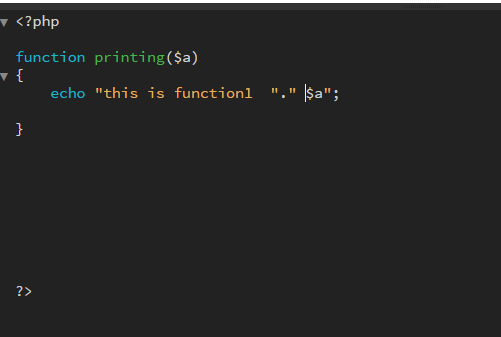
}

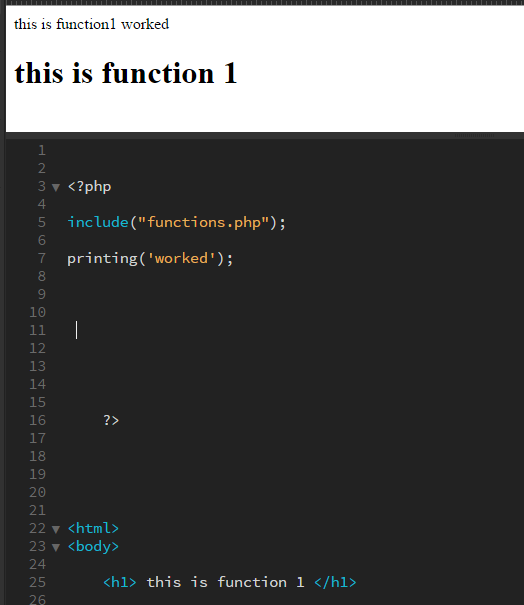




**Include :**

Works like attaching css sheet contains functions of phps in a separate files.





**Require :**



Same as include but if error in attached file whole program will not work.

**Include once :**

Include\_once(“name.php”);

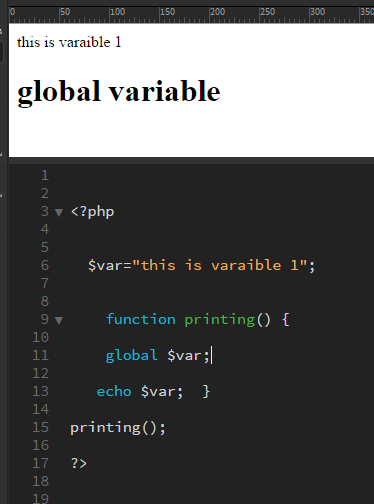
**Require once :**

Require\_once(“name.php”);

U will not need to attach a file multiple times if used a once statement. And all duplications will be removed.

**Global Variables :**

Variables declared outside the function are not access able . to make them access able the global keyword is used.

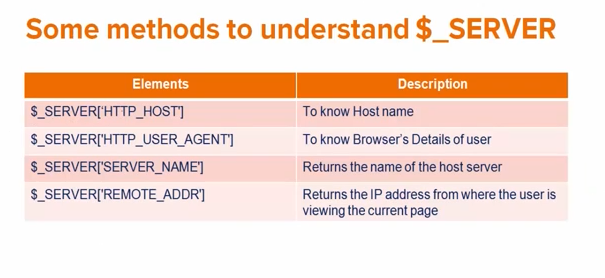


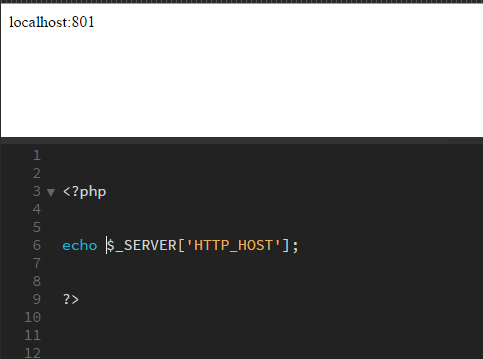
**Super global array :**

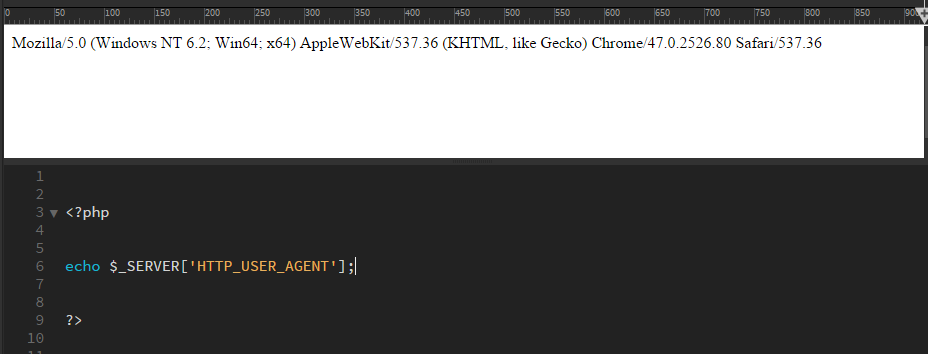
Easily access able from any function or class.  


**$\_SERVER :**

**$\_SERVER** is one of the **PHP** global variables—termed Superglobals—which contain information about **server** and execution environments. These are pre-defined variables so they are always accessible from any class, function or file.







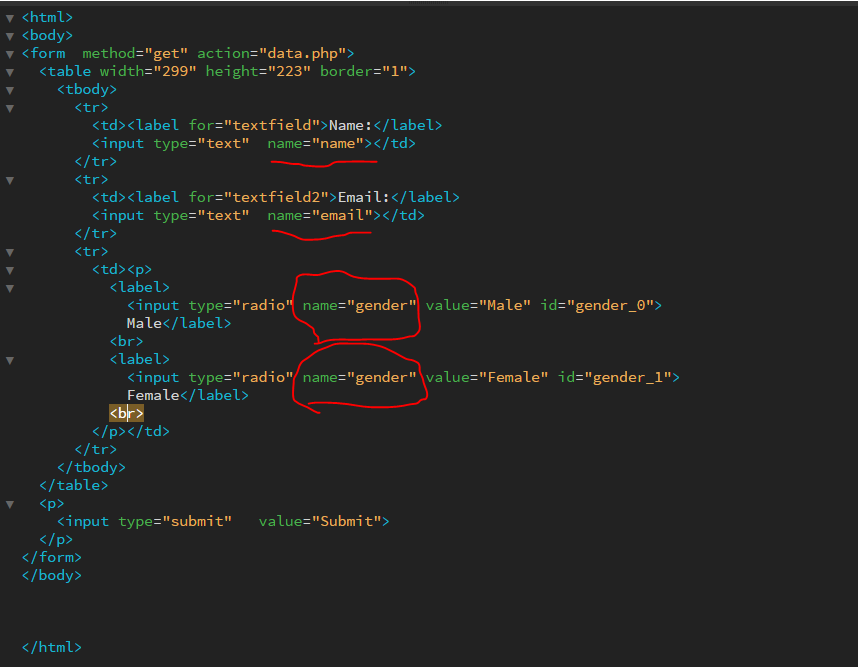


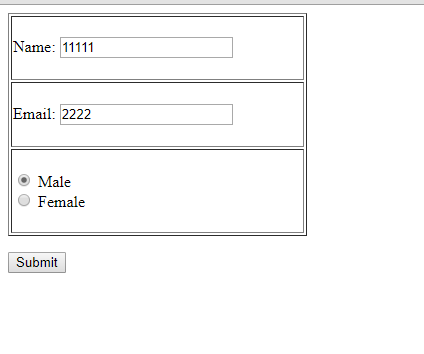


**$\_GET :**

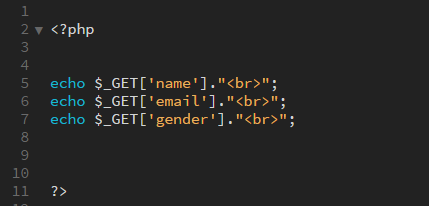
**PHP** POST method. This is the built in **PHP** super global array variable that is used to **get** values submitted via HTTP POST method.

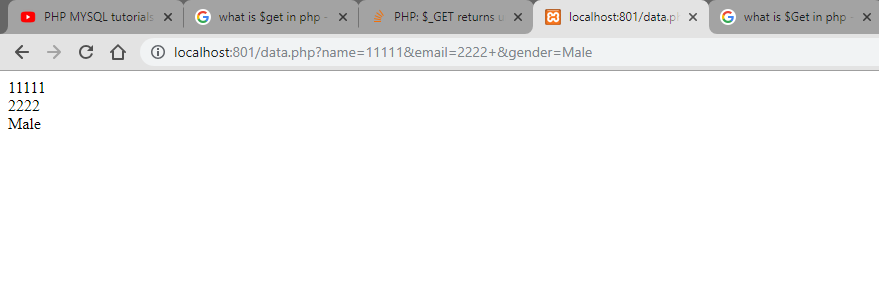
Form :





File which has $get method :

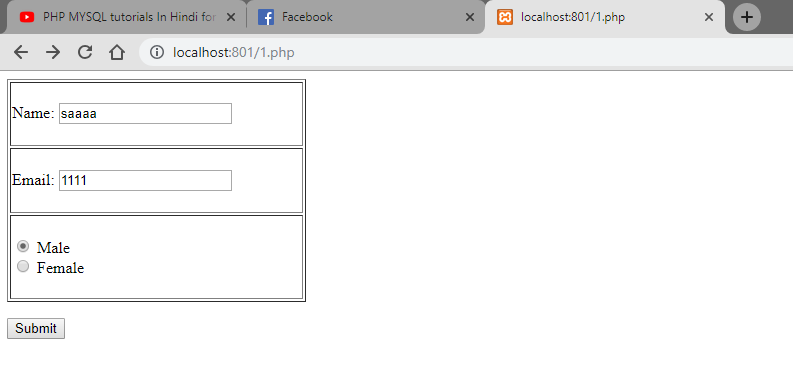




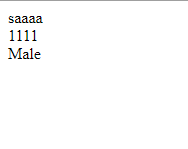
**$\_POST :**

Used to pass information through http.



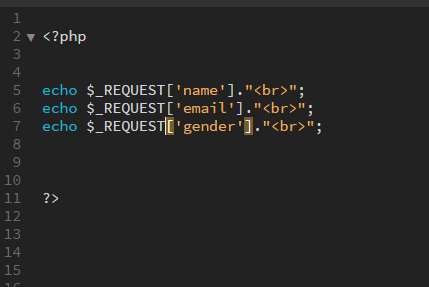






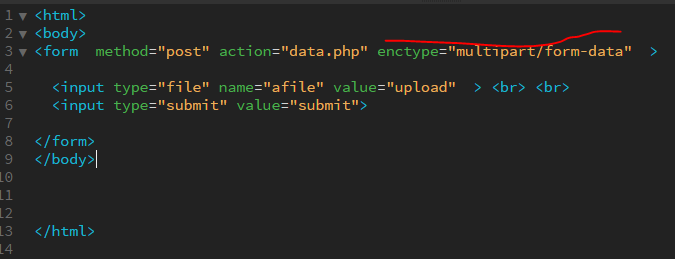
$\_REQUEST :

$\_REQUEST works with both get and post.

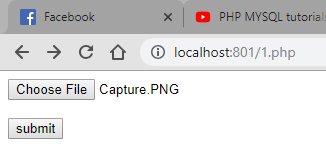


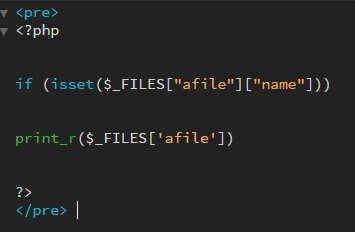
**$\_Files :**

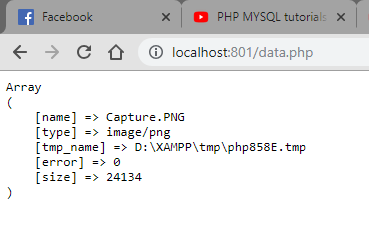
Used to upload file to a server.



enctype=”multipart/form-data” #mandatory for upload





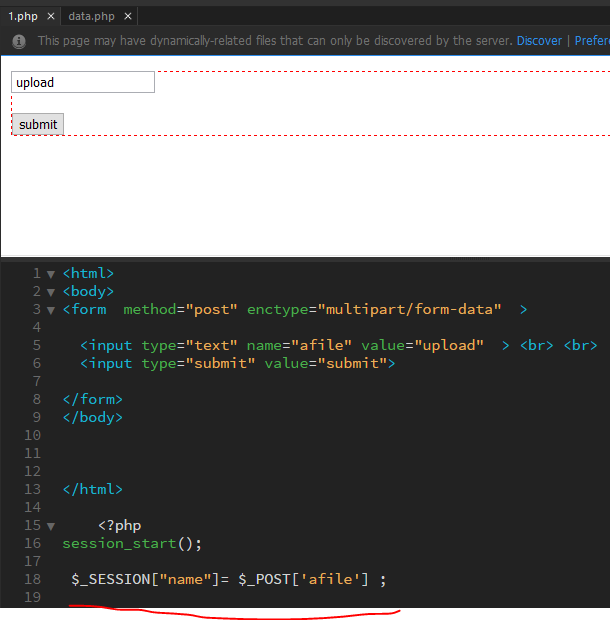


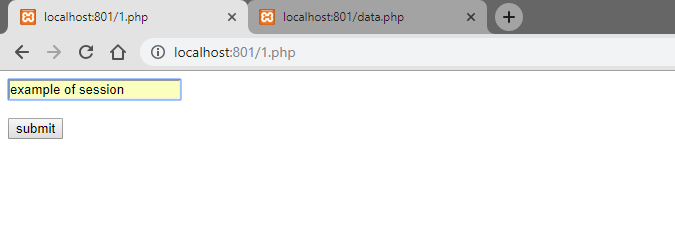
**Isset :**

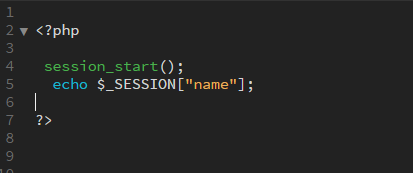
**isset**() function. The **isset** () function is used to check whether a variable is set or not. If a variable is already unset with unset() function, it will no longer be set. The**isset**() function return false if testing variable contains a NULL value.

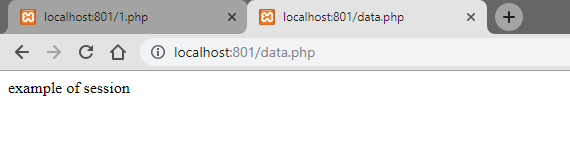
**$\_SESSION :**

Suppose uve logged into your account and you move forward or back and do not want to login on every step. Session stores user actions & keeps your id logged in for the site.

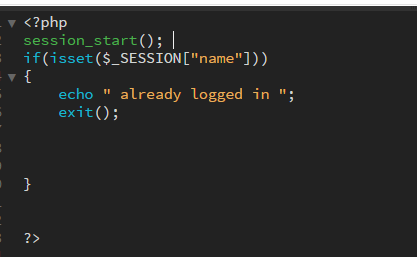


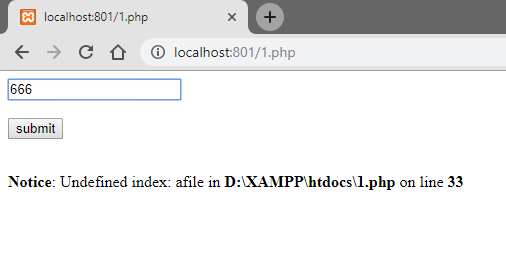




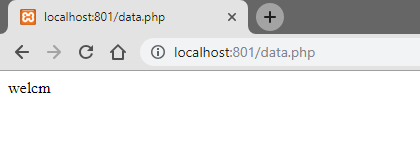


Already logged in session :

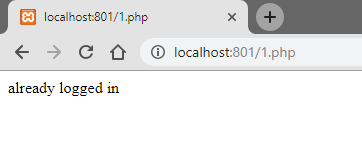




After submit :



Going back to login page :



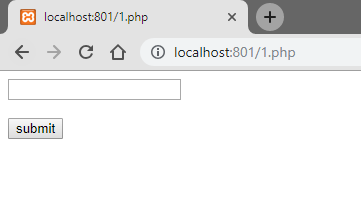
**Header :**

Redirects to a given page .

**Syntax:**

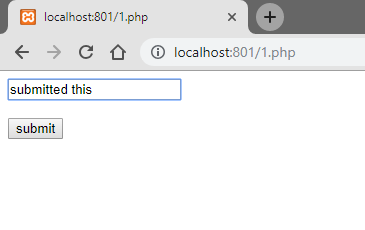
Header(location: \_\_\_\_\_\_\_ );

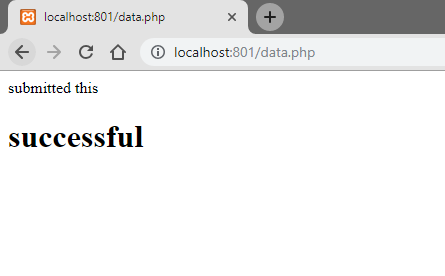




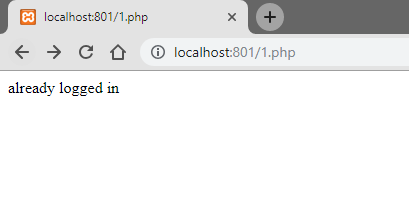


**After submitting values :**



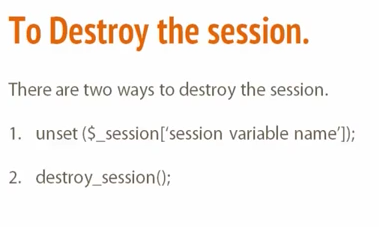


**Clicking back :**



**Destroy a session :**

**2 ways :**



**By unset :**

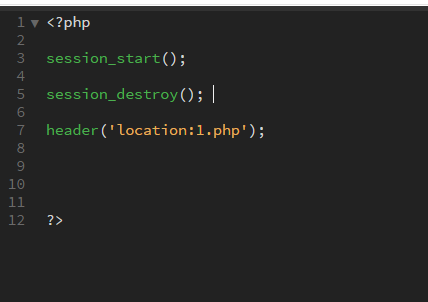
**Create a file where it will contain unset Variable .**





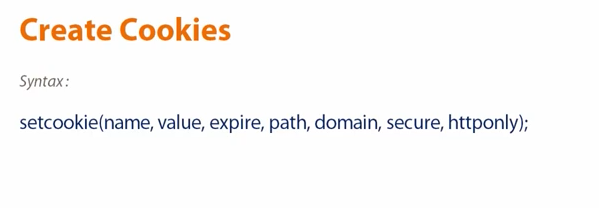
Logout page will destroy session.

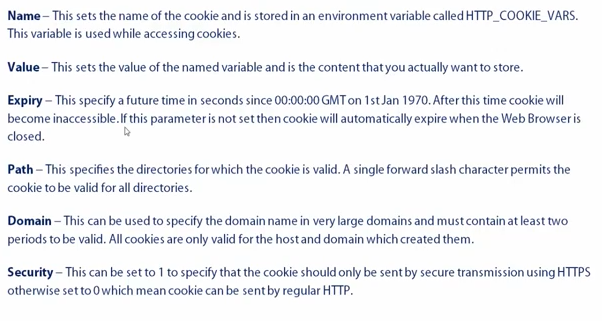
**2nd method :**



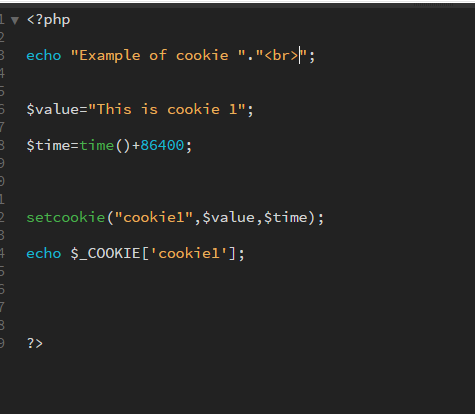
**$\_Cookies :**

Saves user info for next visit. Such as saves login info so user does not have to enter info again .

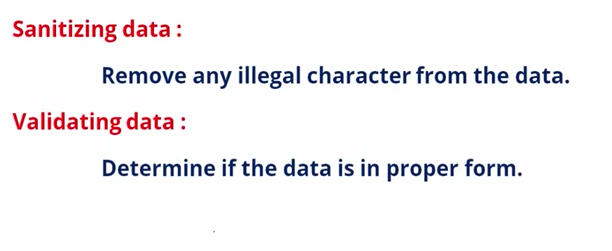




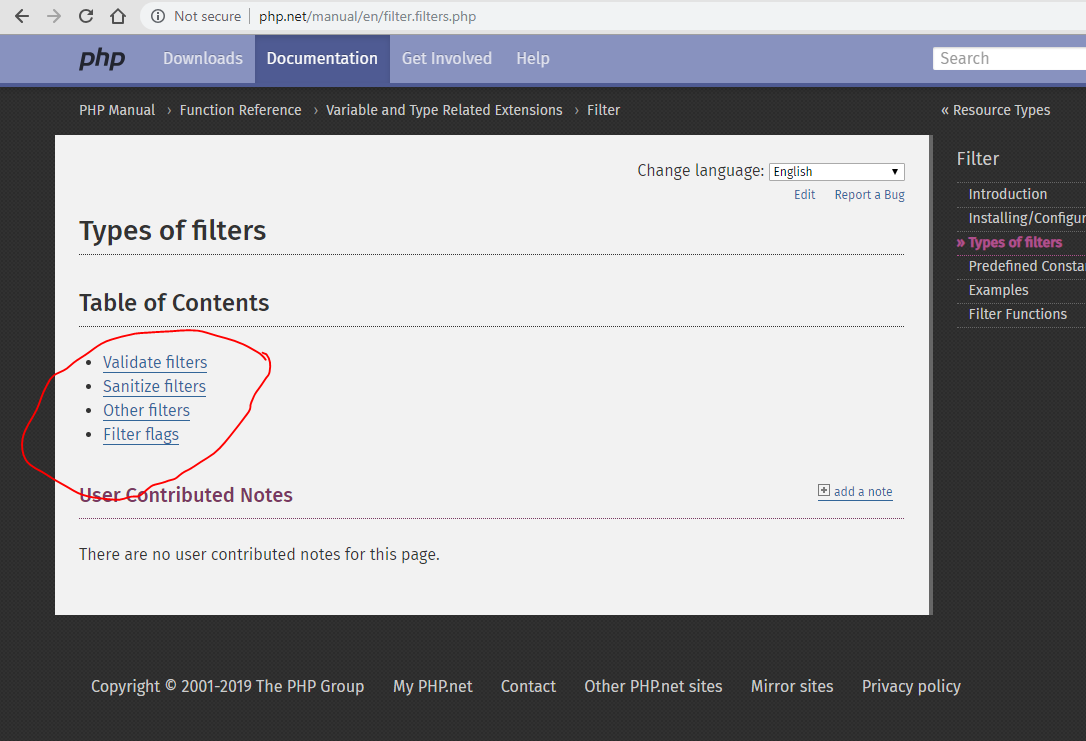
**Creating :**



**Filters :**

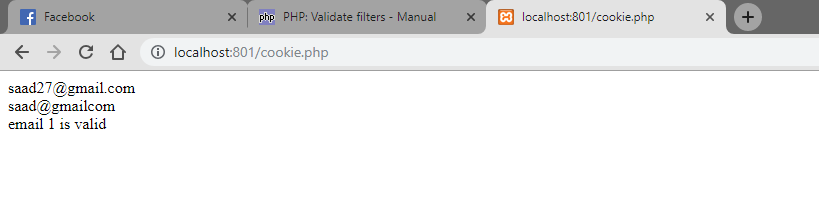


**For filters commands go to here :**

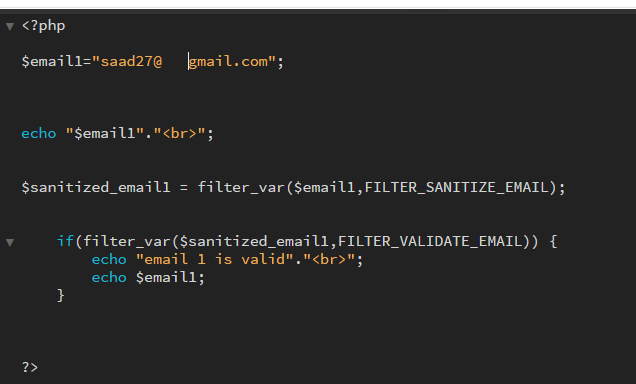


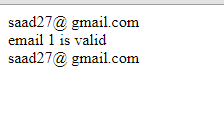
**Validation :**



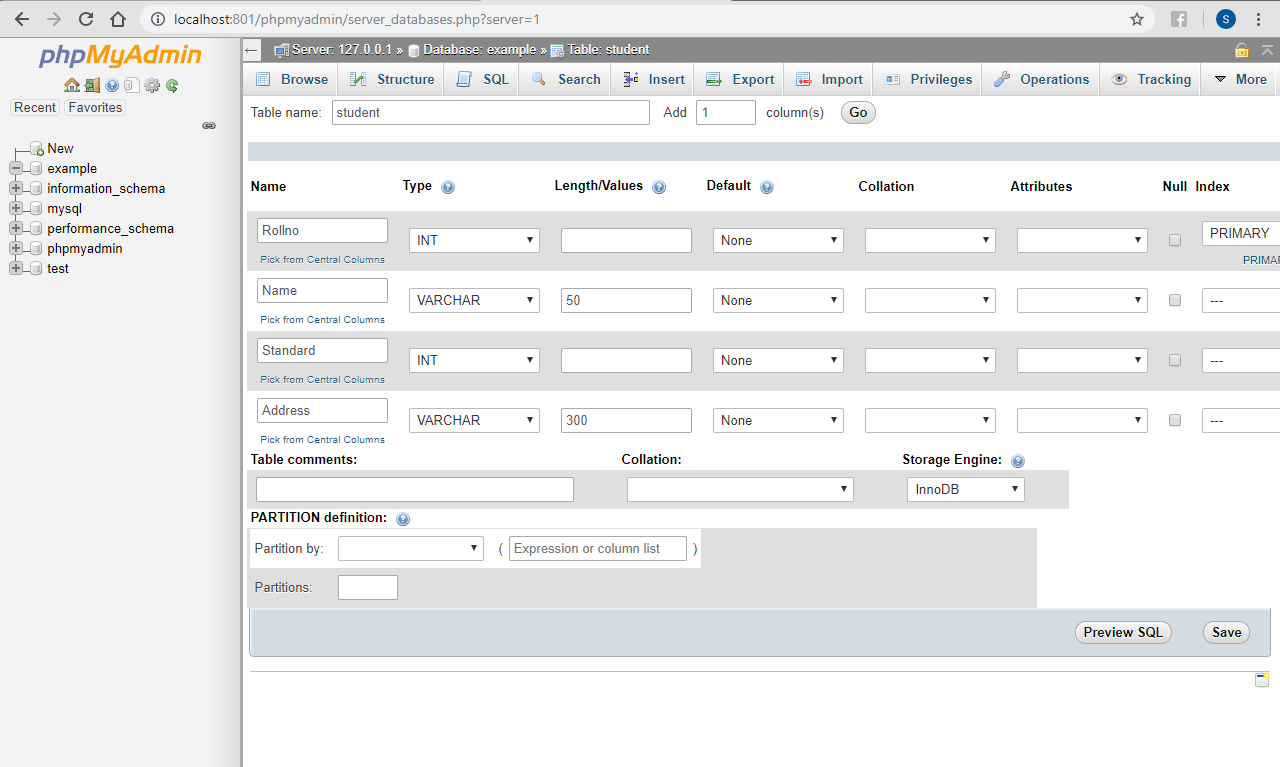


**Sanitize :**



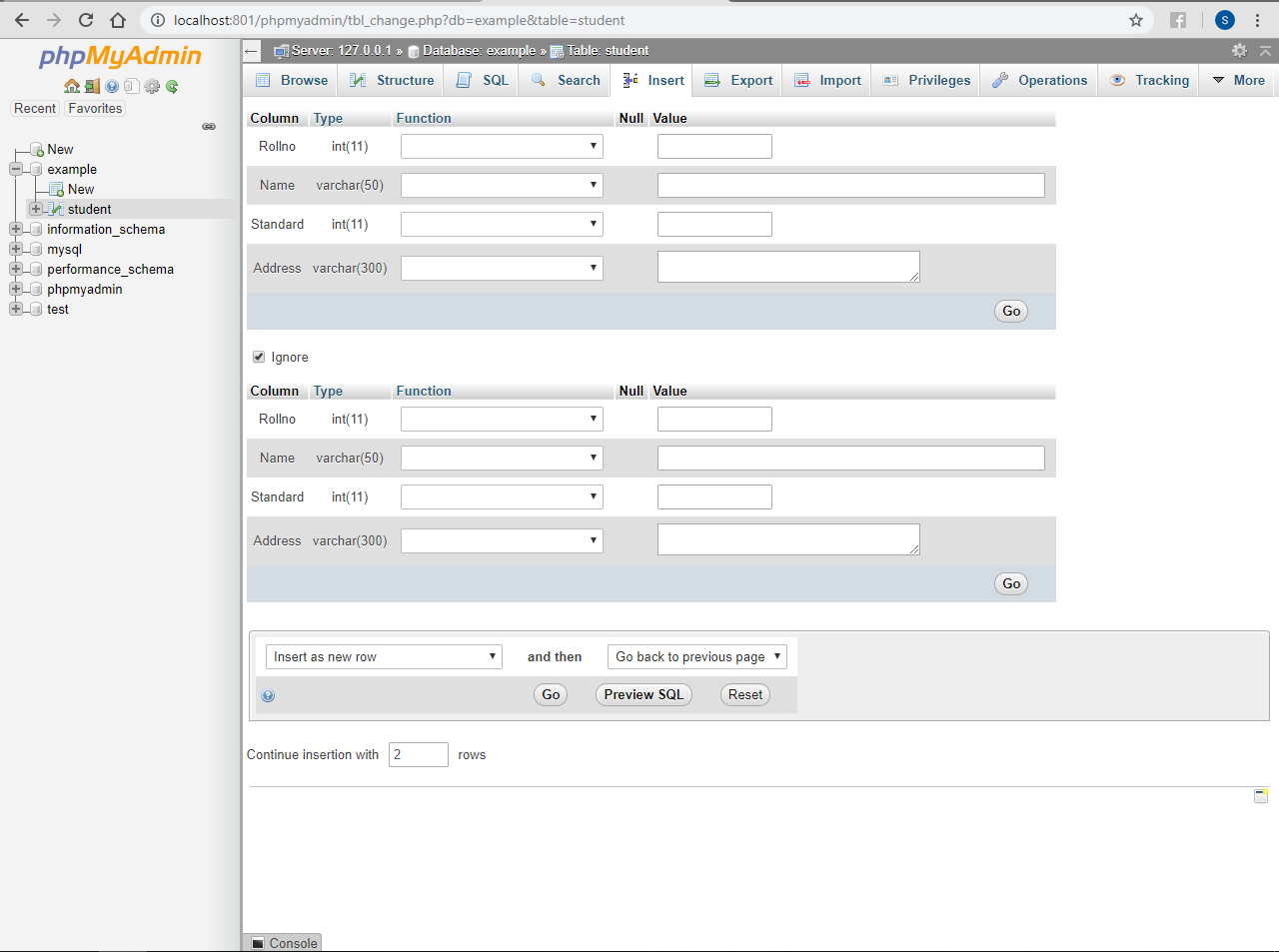


**Creating a database :**



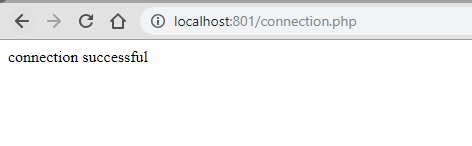
Database name ---🡪 example   
table name ---🡪 student

**Inserting values :**



**Creating a connection :**



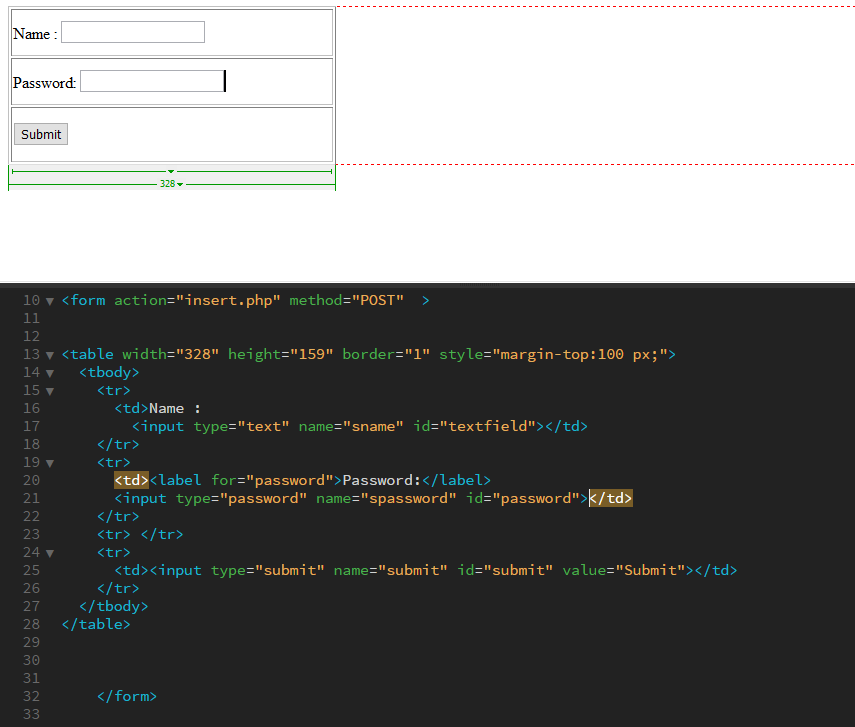


Syntax :

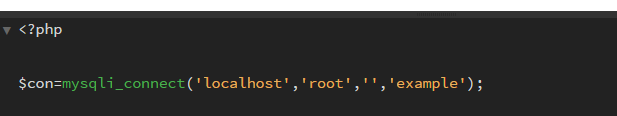
mysqli\_connect(‘hostname’,’username’,’password’,’databasename’);

**Inserting values in a database :**

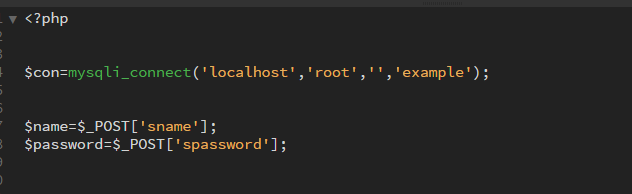
Create a form :



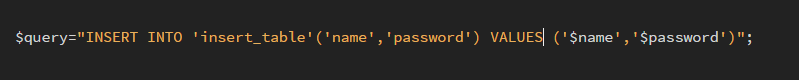
Create a connection :



Get variables :



Make query to insert values :

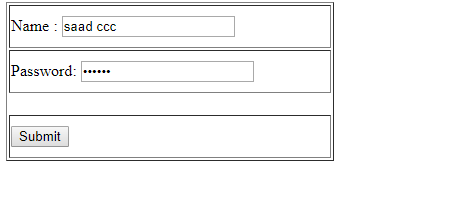


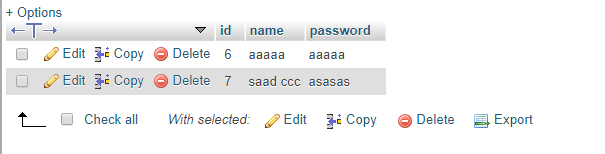
mysqli\_query(connection,query,resultmode);

connection = connection variable  
query = query variable

Make variable to execute query :

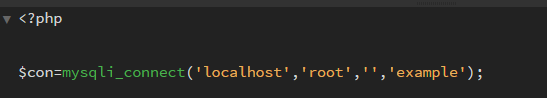




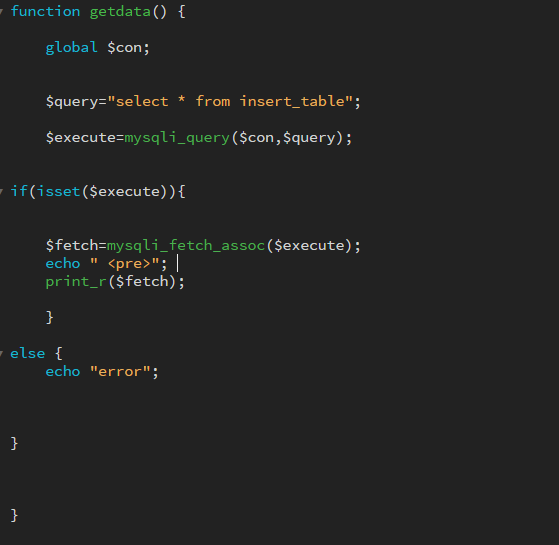


**Retrieve data from database :**

Create connection :



Make function to retrieve data :

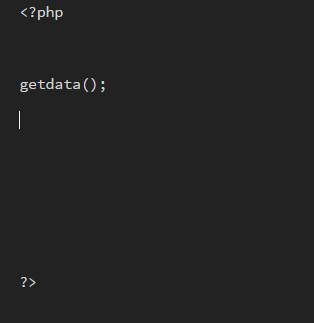


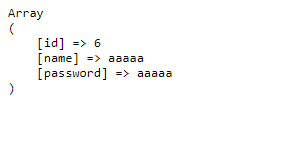
**For fetching data :**

mysqli\_fetch\_assoc(mysqlquery\_*variable*)*;*

The mysqli\_fetch\_assoc() function fetches a result row as an associative array.

Call function :

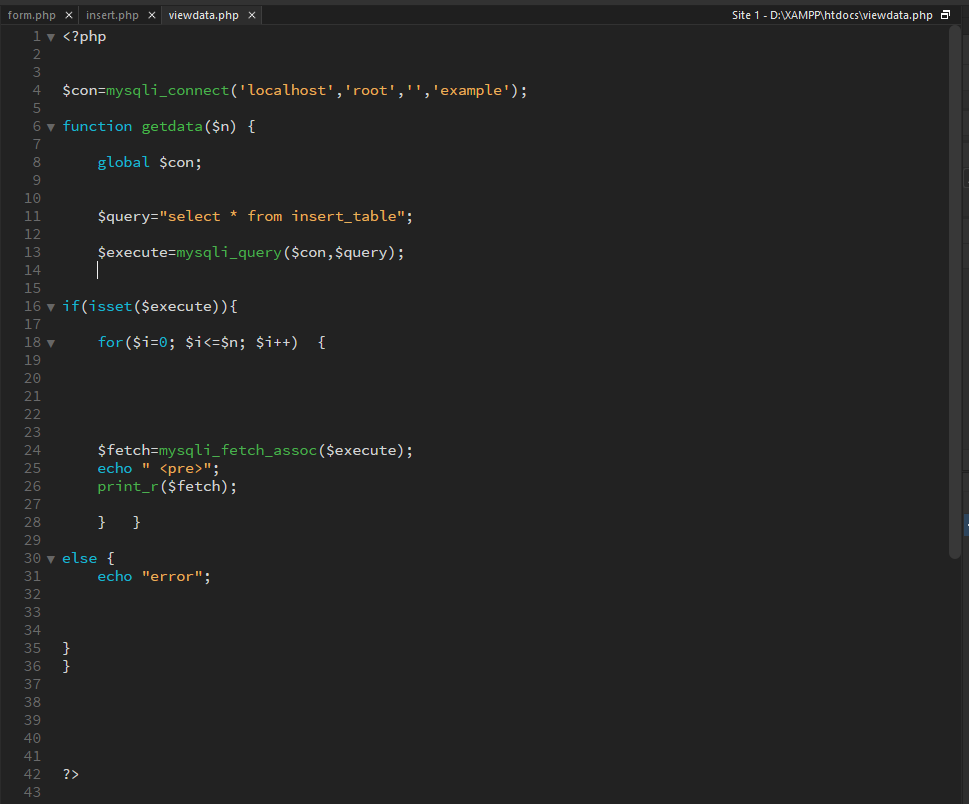




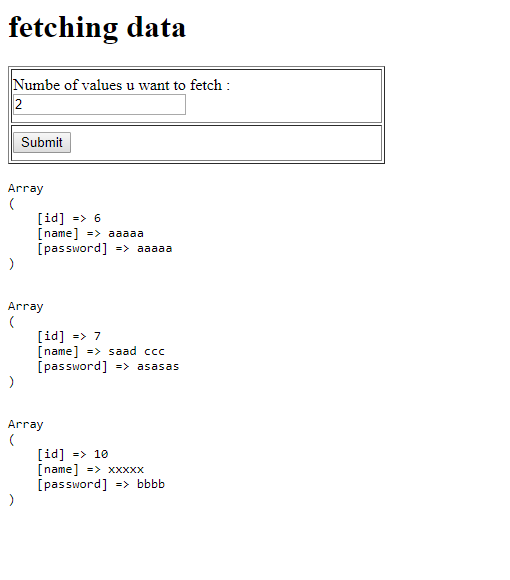
This will only fetch one value :

**For retrieving multiple values :**

Use a while or a for loop :



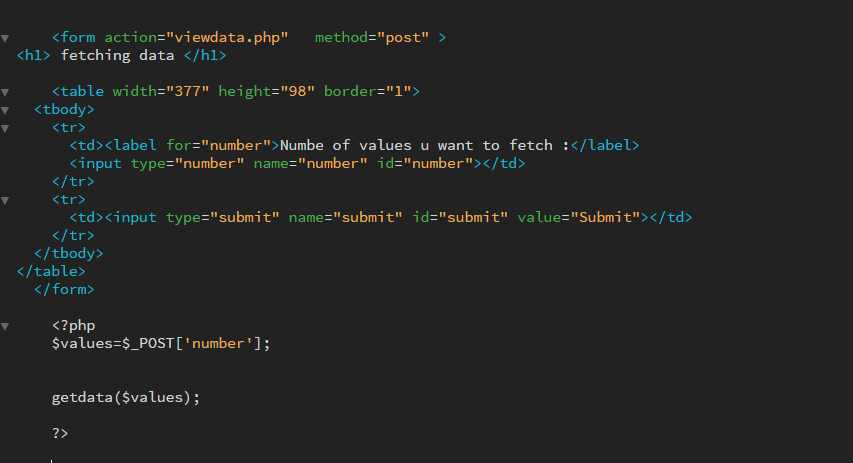


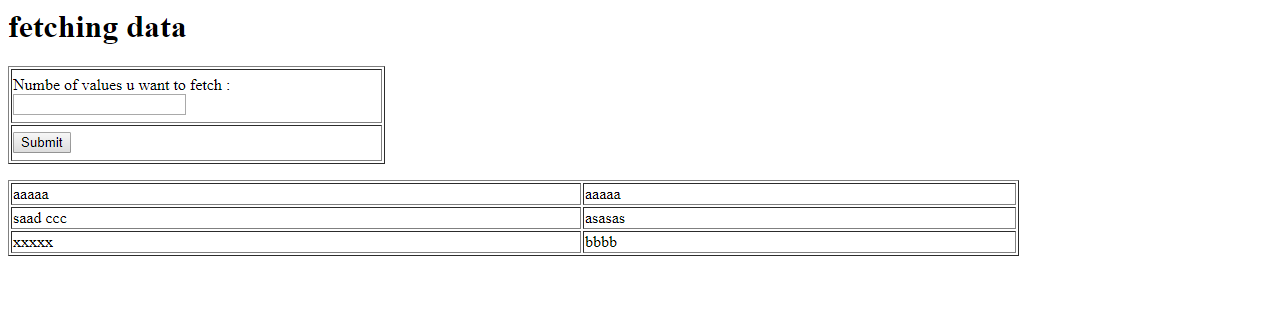


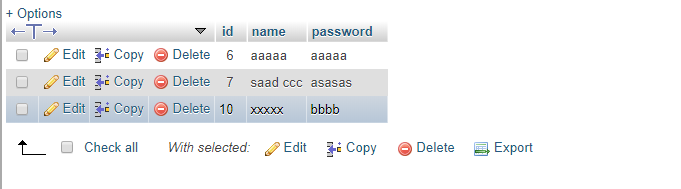
Index values 0,1,2 are retrieved

**For fetching fields only :**





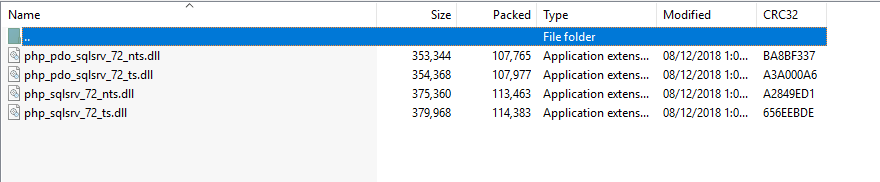




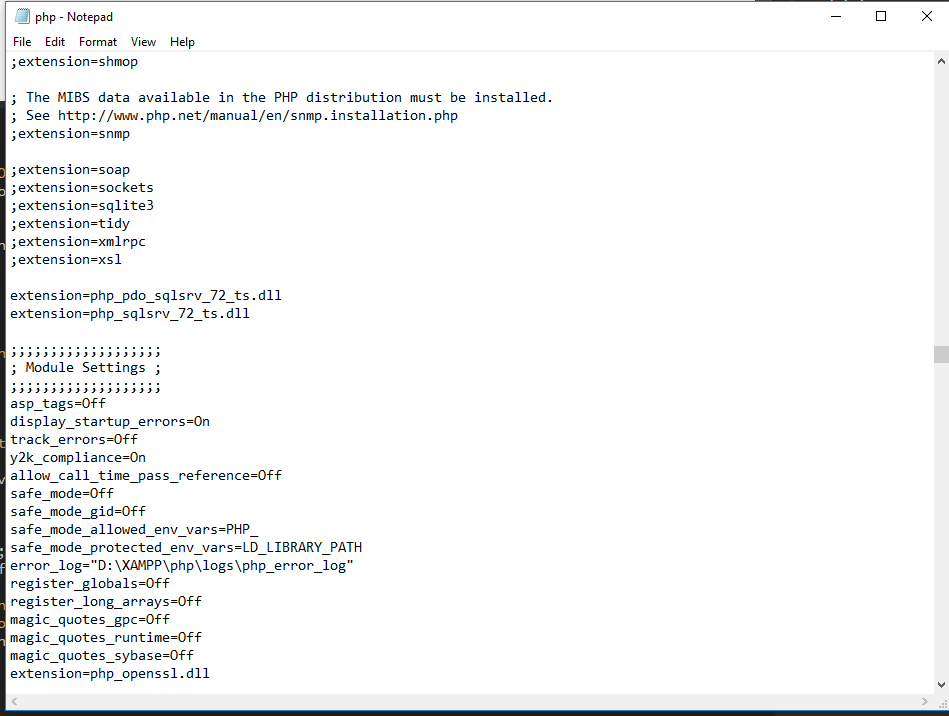
**Creating connection with MS SQL Server :**

Place dll files in :

Xampp -🡪 php -🡪 ext



Import them in php.ini



Dll file extension should match php version.

Write connection code :



$con=sqlsrv\_connect($servername,$connectioninfo) ;



Check queries :

