PHP - $_SERVER

$_SERVER is a superglobal in PHP. It holds information regarding HTTP headers, path and script location, etc.

- $_SERVER is an associative array and it holds all the server and execution environment related information.

- Most of the entries in this associative array are populated by the web server. The entries may change from one web server to other, as servers may omit some, or provide others.

- For a PHP script running on the command line, most of these entries will not be available or have any meaning.

- PHP will also create additional elements with values from request headers. These entries will be named "HTTP_" followed by the header name, capitalized and with underscores instead of hyphens.

- For example, the "Accept-Language" header would be available as $_SERVER['HTTP_ACCEPT_LANGUAGE'].

- PHP versions prior to 5.4.0 had $HTTP_SERVER_VARS which contained the same information but it has now been removed.

The following table lists some of the important server variables of the $_SERVER array followed by the description of their values.

Sr.No	Server Variables & Description
1	**PHP_SELF** Stores filename of currently executing script.
2	**SERVER_ADDR** This property of array returns the IP address of the server under which the current script is executing.
3	**SERVER_NAME** Name of server host under which the current script is executing. In case of a server running locally, localhost is returned.
4	**QUERY_STRING** A query string is the string of key value pairs separated by the "&" symbol and appended to the URL after the "?" symbol.

	For example, http://localhost/testscript?name=xyz&age=20 URL returns trailing query string
5	**REQUEST_METHOD** HTTP request method used for accessing a URL, such as POST, GET, POST, PUT or DELETE. In the above query string example, a URL attached to query string with the "?" symbol requests the page with GET method
6	**DOCUMENT_ROOT** Returns the name of the directory on the server that is configured as the document root. On XAMPP apache server, it returns **htdocs** as the name of document root c:/xampp/htdocs
7	**REMOTE_ADDR** IP address of the machine from where the user is viewing the current page.
8	**SERVER_PORT** Port number on which the web server is listening to the incoming request. Default is 80

Example

The following script invoked from document root of XAMPP server lists all the server variables −

</>   Open Compiler

```php
<?php
   foreach ($_SERVER as $k=>$v)
   echo $k . "=>" . $v . "\n";
?>
```

It will produce the following **output** −

```
MIBDIRS=>C:/xampp/php/extras/mibs
MYSQL_HOME=>\xampp\mysql\bin
OPENSSL_CONF=>C:/xampp/apache/bin/openssl.cnf
PHP_PEAR_SYSCONF_DIR=>\xampp\php
PHPRC=>\xampp\php
TMP=>\xampp\tmp
HTTP_HOST=>localhost
```

HTTP_CONNECTION=>keep-alive

HTTP_SEC_CH_UA=>"Chromium";v="116", "Not)
A;Brand";v="24", "Google Chrome";v="116"

HTTP_SEC_CH_UA_MOBILE=>?0

HTTP_SEC_CH_UA_PLATFORM=>"Windows"

HTTP_DNT=>1

HTTP_UPGRADE_INSECURE_REQUESTS=>1

HTTP_USER_AGENT=>Mozilla/5.0 (Windows NT 10.0; Win64; x64)
 AppleWebKit/537.36 (KHTML, like Gecko) Chrome/116.0.0.0 Safari/537.36

HTTP_ACCEPT=>text/html,application/xhtml+xml,application/xml;
q=0.9,image/avif,image/webp,image/apng,*/*;
q=0.8,application/signed-exchange;v=b3;q=0.7

HTTP_SEC_FETCH_SITE=>none

HTTP_SEC_FETCH_MODE=>navigate

HTTP_SEC_FETCH_USER=>?1

HTTP_SEC_FETCH_DEST=>document

HTTP_ACCEPT_ENCODING=>gzip, deflate, br

HTTP_ACCEPT_LANGUAGE=>en-US,en;q=0.9,mr;q=0.8

PATH=>C:\Python311\Scripts\;
C:\Python311\;C:\WINDOWS\system32;
C:\WINDOWS;C:\WINDOWS\System32\Wbem;
C:\WINDOWS\System32\WindowsPowerShell\v1.0\;
C:\WINDOWS\System32\OpenSSH\;C:\xampp\php;
C:\Users\user\AppData\Local\Microsoft\WindowsApps;
C:\VSCode\Microsoft VS Code\bin

SystemRoot=>C:\WINDOWS

COMSPEC=>C:\WINDOWS\system32\cmd.exe

PATHEXT=>.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC;.PY;.PYW

WINDIR=>C:\WINDOWS

SERVER_SIGNATURE=>
Apache/2.4.56 (Win64) OpenSSL/1.1.1t PHP/8.0.28 Server at localhost Port 80

SERVER_SOFTWARE=>Apache/2.4.56 (Win64) OpenSSL/1.1.1t PHP/8.0.28

SERVER_NAME=>localhost

SERVER_ADDR=>::1

SERVER_PORT=>80

REMOTE_ADDR=>::1

DOCUMENT_ROOT=>C:/xampp/htdocs

REQUEST_SCHEME=>http

CONTEXT_PREFIX=>

CONTEXT_DOCUMENT_ROOT=>C:/xampp/htdocs

SERVER_ADMIN=>postmaster@localhost

```
SCRIPT_FILENAME=>C:/xampp/htdocs/hello.php
REMOTE_PORT=>54148
GATEWAY_INTERFACE=>CGI/1.1
SERVER_PROTOCOL=>HTTP/1.1
REQUEST_METHOD=>GET
QUERY_STRING=>
REQUEST_URI=>/hello.php
SCRIPT_NAME=>/hello.php
PHP_SELF=>/hello.php
REQUEST_TIME_FLOAT=>1694802456.9816
REQUEST_TIME=>1694802456
```