

SQL

PHP (dynamically type language)

It is a open source scripting language. (Hypertext preprocessor - sson)

Basic syntax | `<? PHP
echo "Hello world"; // Print - this line backed code
?>`

// This is single line comment -

/* This is a multi line comment - */

variable :- `$variable1 = 34;
$variable2 = 45;
echo $variable1 + $variable2 ; // Print the value`

operator :-
Arithmetic (+, -, *, /)
Assignment (=, +=, -=, *=, /=)
Logical (~~and~~ and (&&), or (||), xor, not (!))
Increment / Decrement (++, --)
Comparison (==, >=, <=)

Data type :- we have to check a variable data type by using :- `echo var_dump($variable_name);`

output | `data-type (value of variable)`

XOR		
T	F	T
T	T	F
F	F	F
F	T	T

Note :- 1. PHP is not case sensitive
2. dynamically typed means don't need to declare the data type of a variable.

Data Type :-

String (\$var1 = "This is a String");

Integer (\$var2 = 67);

Float (\$var3 = 3.49);

Array (\$

Object (\$

Boolean (\$var5 = true;)

Constant :-

| define ('PI', 3.14);

It means here we define the PI's value is 3.14.
When we print the PI we get the value as PI (3.14)

→ Always define the constant at the starting of

<? PHP

?>

Conditional Statement :-

// if-else Statement

Basic
Syntax
if-else

if (condition) {

echo " " ;

// Statement-1

} ~~else~~

else {

// Statement-2

}

Basic
Syntax
else if

if (condition1)

{

// Statement-1

}

else if (condition2)

{

// Statement-2

}

else {

// Statement-3 }

Loops :-

while
do-while
for

Array :-

/* It store more than one values in a variable */

```
$languages = array("python", "c++", "PHP");
```

```
echo $languages[0]; // python
```

```
echo $languages[2]; // PHP
```

Array Methods

count >

```
echo count(array $languages) // 3  
// count the total element inside the  
// array.
```

While loop :-

Syntax
of while
loop

```
// declaration  
while (condition) {
```

```
    // code ...
```

```
    // increment / decrement
```

```
}
```

Do-while :-

Syntax

```
// declaration
```

```
do {
```

```
    // code ...
```

```
    // increment / decrement
```

```
} while (condition);
```

Notes:-

This loop's
statement will
atleast one time
execute without
check the condition

for :-

Syntax

```
for  
for (declaration; condition; asc/desc)
```

```
{
```

```
    // code
```

```
}
```

foreach:-

Syntax + code
by using the
array declaration

```
foreach ($language as $value) {  
    echo "<br/>";  
    echo "The value is: ";  
    echo $value;  
}
```

output

```
The value is: python  
The value is: c++  
The value is: PHP
```

function :-

It is a block of code which we use multiple time by calling the function.

function
definition

```
function Prints ()  
{  
    echo "five...";  
}
```

function
call

```
Prints (); // output → five...
```

function

Buildin function

```
count()  
define()
```

user define function

```
II function num($num)  
step {  
    echo $num;  
}  
step  
I num(25);
```

By Default

String
input

```
$a = readline("Enter your name:");  
echo $a;
```

Type convert
int input

```
$b = (int) readline("Enter your age:");  
echo $b
```

float input

```
$c = (float) readline("Enter the price:");  
echo $c
```

Take input From user

String :=

```
$ str = "This This This";  
echo $ str . "<br"; // string concatenation with (.)  
$ length = strlen($ str); // strlen() function to find  
// $ str length.
```

```
echo "The number of word in the above string". str_word_count  
( $ str), "goodbye";
```

// string concatenation and str_word_count function use

```
echo "The search for 'is' in the string:". strpos($ str, "is")  
 . "Thank you";
```

// search the position of 'is' in the string by using
// strpos() function.

```
echo "The replace string is". str_replace("is", "at", $ str);
```

// replace 'is' to 'at' in that string by using

str_replace() function.