Here we Learn **PHP**

- ✓ **The if Statement**
- ✓ **If...Else Statements**
- ✓ **The if...else if....else Statement**
- ✓ **The switch Statement**
- ✓ **Looping - While Loops**
- ✓ **do...while Statement**
- ✓ **for Loop**
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1. **PHP - The if Statement**

The if statement is used to execute some code only if a specified condition is true.

Syntax

```
if (condition)
  {
  code to be executed if condition is true;
  }
```

Example:-
```
<?php
$t=date("H");
if ($t<"20")
  {
  echo "Have a good day!";
  }
?>
```

2. **PHP - The if...else Statement**

Use the if....else statement to execute some code if a condition is true and another code if the condition is false.

Syntax

```
if (condition)
{
  code to be executed if condition is true;
}
else
{
  code to be executed if condition is false;
}
```

Example:-
```
<?php
$t=date("H");
if ($t<"20")
  {
  echo "Have a good day!";
  }
else
  {
  echo "Have a good night!";
  }
```

```
?>
```

3. PHP - The if...else if....else Statement

Use the if....else if...else statement to select one of several blocks of code to be executed.

Syntax
```
if (condition)
  {
  code to be executed if condition is true;
  }
else if (condition)
  {
  code to be executed if condition is true;
}
else
  {
  code to be executed if condition is false;
  }
```

Example:-
```php
<?php
$t=date("H");
if ($t<"10")
  {
  echo "Have a good morning!";
  }
else if ($t<"20")
  {
  echo "Have a good day!";
  }
else
  {
  echo "Have a good night!";
  }
?>
```

4. PHP - The switch Statement

The switch statement is used to perform different actions based on different conditions.

Syntax

```
switch (n)
{
case label1:
  code to be executed if n=label1;
  break;
case label2:
  code to be executed if n=label2;
  break;
default:
  code to be executed if n is different from both label1 and label2;
}
```

Example:-
```php
<?php
$favcolor="red";
switch ($favcolor)
```

```php
{
case "red":
  echo "Your favorite color is red!";
  break;
case "blue":
  echo "Your favorite color is blue!";
  break;
case "green":
  echo "Your favorite color is green!";
  break;
default:
  echo "Your favorite color is neither red, blue, or green!";
}
?>
```

5. PHP Looping - While Loops

The while loop executes a block of code while a condition is true.

Syntax

```
while (condition)
 {
 code to be executed;
 }
```

Example:-
```php
<?php
$i=1;
while($i<=5)
 {
 echo "The number is " . $i . "<br>";
 $i++;
 }
```

Output:
The number is 1
The number is 2
The number is 3
The number is 4
The number is 5

6. The do...while Statement

Syntax

```
do
 {
 code to be executed;
 }
while (condition);
```

Example:-
```php
<?php
$i=1;
do
 {
 $i++;
 echo "The number is " . $i . "<br>";
```

```
  }
while ($i<=5);
?>
```

Output:

The number is 2
The number is 3
The number is 4
The number is 5
The number is 6

7. The for Loop

Syntax

```
for (init; condition; increment)
  {
  code to be executed;
  }
```

Example:-
```
<?php
for ($i=1; $i<=5; $i++)
  {
  echo "The number is " . $i . "<br>";
  }
?>
```
Output:
The number is 1
The number is 2
The number is 3
The number is 4
The number is 5

8. The foreach Loop

The foreach loop is used to loop through arrays.

Syntax

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

Example:-
```
<?php
$x=array("one","two","three");
foreach ($x as $value)
  {
  echo $value . "<br>";
  }
?>
```

Output:

one
two

three