CHAPTER 6

PHP CONDITIONAL STATEMENTS

PART I

1. how are u
2. how are u
3. hihello
4. if..else statement
5. error
6. all
7. hi
8. hi
9. hi

PART II

1. **Define Conditional Statements in PHP.**

- Conditional Statements performs different actions for different decisions in programming languages.

- **Types of Conditional Statements:**

- if Statement
- if..else statement
- if..elseif..else statement
- switch statement

2. **Define if statement in PHP.**

- if statement executes a statement or a group of statements if a specific condition is satisfied as per the user expectation.

- **SYNTAX:**

```
if (condition)
{
    Execute statement(s) if condition is true;
}
```

3. **What is if else statement in PHP?**

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- if statement executes a statement or a group of statements if a specific condition is satisfied by the user expectation.

- When the condition gets **false (fail)** the else block is executed.

- **SYNTAX:**

```
if (condition)
{
    Execute statement(s) if condition is true;
}
else
{
    Execute statement(s) if condition is false;
}
```

4. <mark>List out Conditional Statements in PHP.</mark>

- <u>**Types of Conditional Statements:**</u>

  if Statement

  if..else statement

  if..elseif..else statement

  switch statement

5. <mark>Write the syntax of if..else statement in PHP.</mark>
SYNTAX:

```
if (condition)
{
    Execute statement(s) if condition is true;
}
else
{
    Execute statement(s) if condition is false;
}
```

6. <mark>Define if...elseif....else Statement in PHP.</mark>

- if-elseif-else statement is a combination of if-else statement.

- More than one statement can execute the condition based on user needs.

7. <mark>Write the Usage of Switch Statement in PHP.</mark>

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

- Switch statements work the same as if statements but they can check for multiple values at a time.

8. **Write the syntax of switch statement.**

```
switch (n)
{
case label 1:
    code to be executed if n=label1;
break;
case label 2:
    code to be executed if n=label2;
break;
...
default:
    code to be executed if n is different from all labels;
}
```

9. **Compare if and if else statement.**

if	if else
if statement executes a statement or a group of statements if a specific condition is satisfied as per the user expectation.	if statement executes a statement or a group of statements if a specific condition is satisfied by the user expectation. When the condition gets false (fail) the else block is executed.

SYNTAX:
 	
if (condition)
 	
{
 	
   Execute statement(s) if condition is true;
 	
}
	SYNTAX:
	
	if (condition)
	
	{
	
	   Execute statement(s) if condition is true;
	
	}
	else
	
	{
	
	   Execute statement(s) if condition is false;
	
	}

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PART III

1. **Write the features of Conditional Statements in PHP.**

- Like other Programming languages, PHP also allows to write code that performs different actions based on the results of a logical or a test Condition.
- Thus, we can create test conditions in the form of expressions that evaluates to either true or false and based on the results we can perform certain actions.
- The following statements in PHP help us to make decisions:
  if Statement
  if...else Statement
  if...elseif....else Statement
  switch Statement

2. **Write the purpose of if..elseif…else statement.**

- The if-elseif-else statement is a combination of if-else statement.
- Here multiple conditions can be checked and action is based on the result of the condition.
- The if.. elseif.. else is also known as if.. else ladder as it lets us chain together multiple if... else statements allowing the programmer to define actions for more than just two possible outcomes.

3. **Differentiate switch and if..else statement.**

switch	if…else
The switch case is an alternative to the if.. elseif..else statement which executes a block of code corresponding to the match.	The if statement evaluates a condition and executes a set of code if the condition is true and another set of code if the condition is false.

switch (n)   {
case label1:
    code to be executed if n=label1;
break;
case label2:
    code to be executed if n=label2;
	if (condition)
	{
	    Statement(s) if condition is true;
	}
	else
	{

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break;
 ...
 default:
     code to be executed if n is different
     from all labels;
 }
	Statement(s) if condition is false;
	 }

4. Write Short notes on switch statement.

- The switch case is an alternative to the if.. elseif..else statement which executes a block of code corresponding to the match.
- **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 all labels;
}
```

- **Example:**

```php
<?php
$favcolor = "red";
switch ($favcolor)
{
 case "red":
   echo "Your favorite color is red!";
break;
case "blue":
   echo "Your favorite color is blue!";
break;
```

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```
case "green":
    echo "Your favorite color is green!";
break;
default:
    echo "Your favorite color is neither red, blue, nor green!";
}
?>
```

5. Differentiate if and if..elseif statement.

if	if…elseif
if statement executes a statement or a group of statements if a specific condition is satisfied as per the users expectation. This is the simplest PHP's conditional statement.	if-elseif-else statement is a combination of if-else statement. Here multiple conditions can be checked and action is based on the result of the condition.

Syntax:
if (condition)
{
    Statement(s);
}
	Syntax:
	if (Condition 1)
	{
	    Statement(s) if condition 1 is true;
	}
	elseif(Condition 2)
	{
	    Statement(s) if condition 2 is true;
	}
	else
	{
	    Statement(s) if both conditions are false;
	}

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<mark>PART IV</mark>

1. <mark>**Write the functions of Conditional Statements in PHP.**</mark>
3. <mark>**Explain the working of Conditional Statements in PHP?**</mark>

- Like other Programming languages, PHP also allows to write code that perform different actions based on the results of a logical or a test Condition.
- Thus we can create test conditions in the form of expressions that evaluates to either true or false and based on these results you can perform certain actions.
- The following statements in PHP help us to make decisions:
  - ✓ if Statement
  - ✓ if...else Statement
  - ✓ if...elseif....else Statement
  - ✓ switch Statement

if statement in PHP:

- if statement executes a statement or a group of statements if a specific condition is satisfied as per the users expectation.
- This is the simplest PHP's conditional statement and can be written in the following form.
- **Syntax:**

  if (condition)
  {
    Statement(s);
  }

if else statement in PHP:

- The if statement evaluates a condition and executes a set of code if the condition is true and another set of code if the condition is false.
- **Syntax:**

  if (condition)
  {
      Statement(s) if condition is true;
  }
  else
  {
      Statement(s) if condition is false;
  }

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if elseif else statement in PHP:

- if-elseif-else statement is a combination of if-else statement. Here multiple conditions can be checked and action is based on the result of the condition.
- **Syntax:**

```
if (Condition 1)
{
    Statement(s) if condition 1 is true;
}
elseif(Condition 2)
{
    Statement(s) if condition 2 is true;
}
else
{
    Statement(s) if both conditions are false;
}
```

Switch Case:

- The switch case is an alternative to the if.. elseif..else statement which executes a block of code corresponding to the match.
- **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 all labels;
}
```

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2. **Discuss in detail about Switch statement with an example.**

- The switch case is an alternative to the if.. elseif..else statement which executes a block of code corresponding to the match.

- **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 all labels;
}
```

- **Example:**

```php
<?php
    $favcolor = "red";
    switch ($favcolor)
{
    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, nor green!";
} ?>
```

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4. **Explain the if elseif else statement. With suitable example.**

if elseif else statement in PHP:

- if-elseif-else statement is a combination of if-else statement. Here multiple conditions can be checked and action is based on the result of the condition.

- **Syntax:**

    if (Condition 1)

    {

        Statement(s) if condition 1 is true;

    }

    elseif(Condition 2)

    {

        Statement(s) if condition 2 is true;

    }

    else

    {

        Statement(s) if both conditions are false;

    }

- **Example:**

    <?php

        $Pass_Mark=35;

        $first_class=60;

        $Student_Mark=70;

        if ($Student_Mark>= $first_class)

        {

            echo "The Student is eligible for the promotion with First Class";

        }

        elseif ($Student_Mark>= $Pass_Mark)

        {

            echo "The Student is eligible for the promotion";

        }

        else

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```
            {
                echo "The Student is not eligible for the promotion";
            }
        ?>
```

5. Explain if else statement in PHP. With an example.

if else statement in PHP:
- The if statement evaluates a condition and executes a set of code if the condition is true and another set of code if the condition is false.
- **Syntax:**
  if (condition)
  {
      Statement(s) if condition is true;
  }
  else
  {
      Statement(s) if condition is false;
  }
- **Example:**
  ```
  <?php
      $Pass_Mark=35;
      $Student_Mark=70;
      if ($Student_Mark>= $Pass_Mark)
      {
          echo "The Student is Eligible for the Promotion";
      } ?>
  ```

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