

PHP Loop Practice Tasks with Solutions (With Output)

Task 1 – While Loop Write a PHP program using a while loop that prints numbers from 1 to 10.

```
<?php
$i = 1;
while ($i <= 10) {
    echo $i . " ";
    $i++;
}
?>
```

Expected Output:

1 2 3 4 5 6 7 8 9 10

Task 2 – Do While Loop Write a program using do...while loop that prints the multiplication table of 5 (from 5 × 1 to 5 × 10).

```
<?php
$i = 1;
do {
    echo "5 x $i = " . (5 * $i) . "<br>";
    $i++;
} while ($i <= 10);
?>
```

Expected Output:

5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
...
5 x 10 = 50

Task 3 – For Loop Create a program using a for loop that calculates the sum of numbers from 1 to 50.

```
<?php
$sum = 0;
for ($i = 1; $i <= 50; $i++) {
    $sum += $i;
}
echo "Sum of numbers from 1 to 50 is: $sum";
?>
```

Expected Output:

Sum of numbers from 1 to 50 is: 1275

Task 4 – Foreach Loop Make an array of 5 students' names, then print them one by one using foreach loop.

```
<?php
$students = ["Ali", "Sara", "Ahmed", "Fatima", "Usman"];
foreach ($students as $name) {
    echo $name . "<br>";
}
?>
```

Expected Output:

Ali
Sara
Ahmed
Fatima
Usman

Task 5 – Break Statement Write a program that prints numbers 1 to 20, but stop (break) the loop when the number is 10.

```
<?php
for ($i = 1; $i <= 20; $i++) {
    if ($i == 10) {
        break;
    }
    echo $i . " ";
}
?>
```

Expected Output:

1 2 3 4 5 6 7 8 9

Task 6 – Continue Statement Write a program that prints numbers 1 to 10, but skip (continue) the number 5.

```
<?php
for ($i = 1; $i <= 10; $i++) {
    if ($i == 5) {
        continue;
    }
    echo $i . " ";
}
?>
```

Expected Output:

1 2 3 4 6 7 8 9 10

Task 7 – Nested Loops (Pattern) Write a PHP program that prints the following pattern using nested for loops: *****

```
<?php
for ($i = 1; $i <= 5; $i++) {
    for ($j = 1; $j <= $i; $j++) {
        echo "* ";
    }
    echo "<br>";
}
?>
```

Expected Output:

```
*
* *
* * *
* * * *
* * * * *
```

