



## For...loop Exercises php



- 1) Print the numbers from 1 to 10.
- 2) Print the even numbers from 1 to 20.
- 3) Print the odd numbers from 1 to 15.
- 4) Print the sum of the numbers from 1 to 100.
- 5) Print the multiplication table for the number 5.
- 6) Print the first 10 numbers in the Fibonacci sequence.
- 7) Print the first 10 square numbers (1, 4, 9, 16, etc.).
- 8) Print the first 10 cube numbers (1, 8, 27, 64, etc.).
- 9) Print a triangle made of asterisks (\*), with a base of 10 asterisks.
- 10) Print a rectangle made of asterisks (\*), with a width of 5 and a height of 10.

## Exercises and solution

- 1) Print the numbers from 1 to 10.

```
for ($i = 1; $i <= 10; $i++) {  
    echo $i . " ";  
}
```

- 2) Print the even numbers from 1 to 20.

```
for ($i = 2; $i <= 20; $i += 2) {  
    echo $i . " ";  
}
```

- 3) Print the odd numbers from 1 to 15.

```
for ($i = 1; $i <= 15; $i += 2) {  
    echo $i . " ";  
}
```

- 4) Print the sum of the numbers from 1 to 100.

```
$sum = 0;  
for ($i = 1; $i <= 100; $i++) {  
    $sum += $i;  
}  
echo $sum;
```

5) Print the multiplication table for the number 5.

```
for ($i = 1; $i <= 10; $i++) {  
    echo "5 x " . $i . " = " . (5 * $i) . "\n";  
}
```

6) Print the first 10 numbers in the Fibonacci sequence.

```
$num1 = 0;  
$num2 = 1;  
for ($i = 1; $i <= 10; $i++) {  
    echo $num1 . " ";  
    $temp = $num1 + $num2;  
    $num1 = $num2;  
    $num2 = $temp;  
}
```

7) Print the first 10 square numbers (1, 4, 9, 16, etc.).

```
for ($i = 1; $i <= 10; $i++) {  
    echo ($i * $i) . " ";  
}
```

8) Print the first 10 cube numbers (1, 8, 27, 64, etc.).

```
for ($i = 1; $i <= 10; $i++) {  
    echo ($i * $i * $i) . " ";  
}
```

9) Print a triangle made of asterisks (\*), with a base of 10 asterisks.

```
for ($i = 1; $i <= 10; $i++) {  
    for ($j = 1; $j <= $i; $j++) {  
        echo "* ";  
    }  
}
```

```
}  
echo "\n";  
}
```

- 10) Print a rectangle made of asterisks (\*), with a width of 5 and a height of 10.

```
for ($i = 1; $i <= 10; $i++) {  
    for ($j = 1; $j <= 5; $j++) {  
        echo "* ";  
    }  
    echo "\n";  
}
```