

Online PHP Compiler - Program +

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main.php

```
1 <?php
2 // Program to compare three integers and print the largest number
3
4 // Method 1: Using if-else statements
5 function findLargestIfElse($a, $b, $c) {
6     if ($a >= $b && $a >= $c) {
7         return $a;
8     } elseif ($b >= $a && $b >= $c) {
9         return $b;
10    } else {
11        return $c;
12    }
13 }
14 echo "\nEnter three integers:\n";
15 $a = (int)readline("Enter first number: ");
16 $b = (int)readline("Enter second number: ");
17 $c = (int)readline("Enter third number: ");
18
19 $largest = findLargestIfElse($a, $b, $c);
20 echo "The largest number is: $largest\n";
21 ?>
```

Run

Output

Clear

Enter three integers:
Enter first number: 6
Enter second number: 36
Enter third number: 99
The largest number is: 99

==== Code Execution Successful ===

Air: Very poor Sunday

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main.php

```
1 <?php
2 // Program to check whether a number is prime or not
3
4 // Method 1: Basic approach
5 function isPrimeBasic($num) {
6     // Numbers less than 2 are not prime
7     if ($num < 2) {
8         return false;
9     }
10
11    // 2 is the only even prime number
12    if ($num == 2) {
13        return true;
14    }
15
16    // Even numbers are not prime
17    if ($num % 2 == 0) {
18        return false;
19    }
20
21    // Check odd divisors up to the number
22    for ($i = 3; $i < $num; $i += 2) {
23        if ($num % $i == 0) {
24            return false;
25        }
26    }
27
28    return true;
29}
```

Run

Output

Clear

Enter a number to check if it's prime: 6
6 is NOT a prime number.

==== Code Execution Successful ===

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main.php

```
1 // + if ($num % 2 == 0) {
2     return false;
3 }
4 // Check odd divisors up to the number
5 for ($i = 3; $i < $num; $i += 2) {
6     if ($num % $i == 0) {
7         return false;
8     }
9 }
10 return true;
11
12 // Function to display result
13 function checkAndDisplay($num) {
14     $result = isPrimeBasic($num);
15
16     if ($result) {
17         echo "$num is a PRIME number.\n";
18     } else {
19         echo "$num is NOT a prime number.\n";
20     }
21 }
```

Run

Output

Clear

Enter a number to check if it's prime: 6
6 is NOT a prime number.

==== Code Execution Successful ===

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main.php

```
24 }  
25 }  
26 return true;  
27 }  
28 }  
29 // Function to display result  
30 function checkAndDisplay($num) {  
31     $result = isPrimeBasic($num);  
32  
33     if ($result) {  
34         echo "$num is a PRIME number.\n";  
35     } else {  
36         echo "$num is NOT a prime number.\n";  
37     }  
38 }  
39 }  
40  
41 echo "\nEnter a number to check if it's prime: ";  
42 $userNum = (int)readline();  
43 checkAndDisplay($userNum);  
44 ?>
```

Run

Output

Clear

Enter a number to check if it's prime: 6
6 is NOT a prime number.
==== Code Execution Successful ===

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main.php

```
1 |
2
3 <?php
4 function isLowerCase($str) {
5     // Compare original string with its lowercase version
6     return $str === strtolower($str);
7 }
8
9 echo "Enter a string to check: ";
10 $str = trim(fgets(STDIN));
11
12 // Call the function correctly and print result
13 echo "Method (strtolower): " . (isLowerCase($str) ? "true" : "false")
. "\n";
14 ?>
15
```

Run

Output

Clear

Enter a string to check: Hi Everyone!
Method (strtolower): false
--- Code Execution Successful ---

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main.php

```
1
2
3 <?php
4 // Program to check if a string is a palindrome
5
6 // Method 1: Using strrev() function
7+ function isPalindrome($str) {
8     // Convert to lowercase for case-insensitive comparison
9     $str = strtolower($str);
10    // Compare original with reversed string
11    return $str === strrev($str);
12 }
13
14 // Display function
15+ function checkPalindrome($str, $ignoreSpaces = false) {
16    if ($ignoreSpaces) {
17        $result = isPalindrome($str);
18        $method = "ignoring spaces & punctuation";
19    } else {
20        $result = isPalindrome($str);
21        $method = "exact match";
22    }
}
```

Output

Clear

Enter a string to check if it's a palindrome: madam

Check exact match? (y/n): y

String: "madam"

Method: exact match

Result: ✓ YES - This is a PALINDROME!

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main.php

```
12 }
13
14 // Display function
15+ function checkPalindrome($str, $ignoreSpaces = false) {
16+     if ($ignoreSpaces) {
17+         $result = isPalindrome($str);
18+         $method = "ignoring spaces & punctuation";
19+     } else {
20+         $result = isPalindrome($str);
21+         $method = "exact match";
22     }
23
24 echo "String: \"$str\"\n";
25 echo "Method: $method\n";
26
27+ if ($result) {
28+     echo "Result: ✓ YES - This is a PALINDROME!\n";
29+ } else {
30+     echo "Result: ✗ NO - This is NOT a palindrome.\n";
31+ }
32 echo "\n";
```

Output

Clear

Enter a string to check if it's a palindrome: madam

Check exact match? (y/n): y

String: "madam"

Method: exact match

Result: ✓ YES - This is a PALINDROME!

==== Code Execution Successful ===

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main.php

```
main.php
1
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37
38
39
40
41
42
43
44
45
46
47
```

Run

Output

Clear

Enter a string to check if it's a palindrome: madam

Check exact match? (y/n): y

String: "madam"

Method: exact match

Result: ✓ YES - This is a PALINDROME!

==== Code Execution Successful ===

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main.php

```
1 <?php
2 function isPalindrome($str) {
3     // Convert string to lowercase for case-insensitive comparison
4     $str = strtolower($str);
5
6     // Reverse the string
7     $rev = strrev($str);
8
9     // Compare original and reversed string
10    return $str === $rev;
11 }
12
13 // ---- MAIN PROGRAM ----
14
15 echo "Enter a string: ";
16 $input = trim(fgets(STDIN));
17
18 if (isPalindrome($input)) {
19     echo "\"$input\" is a palindrome.\n";
20 } else {
21     echo "\"$input\" is NOT a palindrome.\n";
22 }
```

Output

Clear

Enter a string: madam
"madam" is a palindrome.

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main.php

```
1 // Convert string to lowercase
2 $str = strtolower($str);
3
4 // Reverse the string
5 $rev = strrev($str);
6
7 // Compare original and reversed string
8 return $str === $rev;
9
10 }
11
12 // ---- MAIN PROGRAM ----
13
14 echo "Enter a string: ";
15 $input = trim(fgets(STDIN));
16
17 if (isPalindrome($input)) {
18     echo "\"$input\" is a palindrome.\n";
19 } else {
20     echo "\"$input\" is NOT a palindrome.\n";
21 }
22
23 ?>
24 |
```

Run

Output

Clear

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main.php

```
1 <?php
2 $numbers = array(5, 2, 9, 1, 7);
3
4 echo "Original Array:\n";
5 print_r($numbers);
6
7 // Ascending order
8 $asc = $numbers;
9 sort($asc);
10
11 echo "\nSorted Array (Ascending):\n";
12 print_r($asc);
13
14 // Descending order
15 $desc = $numbers;
16 rsort($desc);
17
18 echo "\nSorted Array (Descending):\n";
19 print_r($desc);
20 ?>
```

Output

Original Array:

Array

(

[0] => 5
[1] => 2
[2] => 9
[3] => 1
[4] => 7

)

Sorted Array (Ascending):

Array

(

[0] => 1
[1] => 2
[2] => 5
[3] => 7
[4] => 9

)

Sorted Array (Descending):

Array

(

[0] => 9
[1] => 7
[2] => 5
[3] => 2
[4] => 1

)

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main.php

```
1 <?php
2 $numbers = array(5, 2, 9, 1, 7);
3
4 echo "Original Array:\n";
5 print_r($numbers);
6
7 // Ascending order
8 $asc = $numbers;
9 sort($asc);
10
11 echo "\nSorted Array (Ascending):\n";
12 print_r($asc);
13
14 // Descending order
15 $desc = $numbers;
16 rsort($desc);
17
18 echo "\nSorted Array (Descending):\n";
19 print_r($desc);
20 ?>
```

Run

Output

Original Array:

Array

(

[0] => 5
[1] => 2
[2] => 9
[3] => 1
[4] => 7

)

Sorted Array (Ascending):

Array

(

[0] => 1
[1] => 2
[2] => 5
[3] => 7
[4] => 9

)

Sorted Array (Descending):

Array

(

[0] => 9
[1] => 7
[2] => 5
[3] => 2
[4] => 1

)

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PHP Online Compiler

main.php

Run

Output

Original Array:

```
Array
(
    [0] => 5
    [1] => 2
    [2] => 9
    [3] => 1
    [4] => 7
)
```

Sorted Array (Ascending):

```
Array
(
    [0] => 1
    [1] => 2
    [2] => 5
    [3] => 7
    [4] => 9
)
```

Sorted Array (Descending):

```
Array
(
    [0] => 9
    [1] => 7
    [2] => 5
    [3] => 2
    [4] => 1
)
```

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```
3 // If user submitted numbers
4 if (isset($_POST['numbers'])) {
5     // Convert input string to array of integers
6     $numbers = array_map('intval', explode(".", $_POST['numbers']));
7 } else {
8     // Default array
9     $numbers = array(5, 2, 9, 1, 7);
10 }
11
12 echo "Original Array:\n";
13 print_r($numbers);
14
15 // Ascending order
16 $asc = $numbers;
17 sort($asc);
18
19 echo "\nSorted Array (Ascending):\n";
20 print_r($asc);
21
22 // Descending order
23 $desc = $numbers;
```

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main.php

```
18 echo "\nSorted Array (Ascending):\n";
19 print_r($asc);
20
21 // Descending order
22 $desc = $numbers;
23 rsort($desc);
24
25 echo "\nSorted Array (Descending):\n";
26 print_r($desc);
27
28 ?>
29
30 <!-- HTML Form -->
31 <form method="POST">
32 <p>Enter numbers separated by commas (.)</p>
33 <input type="text" name="numbers" placeholder="Example: 5,2,9,1
,7" required>
34 <button type="submit">Sort</button>
35 </form>
36
37 |
```

Run

Output

Original Array:

```
Array
(
    [0] => 5
    [1] => 2
    [2] => 9
    [3] => 1
    [4] => 7
)
```

Sorted Array (Ascending):

```
Array
(
    [0] => 1
    [1] => 2
    [2] => 5
    [3] => 7
    [4] => 9
)
```

Sorted Array (Descending):

```
Array
(
    [0] => 9
    [1] => 7
    [2] => 5
    [3] => 2
    [4] => 1
)
```

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main.php

```
1 <?php
2 // Sample string with leading and trailing spaces
3 $str = " This is nice today. ";
4
5 echo "Original String:\n";
6 echo "'$str'";
7
8 // Use trim() to remove whitespaces from both ends
9 $cleanStr = trim($str);
10
11 echo "\n\nString After Removing Trailing Whitespace:\n";
12 echo "'$cleanStr'";
13 ?>
14 |
```

Run

Output

Clear

Original String:
' This is nice today. '

String After Removing Trailing Whitespace:
'This is nice today.'

==== Code Execution Successful ===

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Test annotation answer

Ask anything

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main.php

```
1 <?php
2
3- if (isset($_POST['text'])) {
4     // Get user input
5     $str = $_POST['text'];
6- } else {
7     // Default sample string
8     $str = " This is nice today. ";
9 }
10
11 echo "Original String:<br>";
12 echo "" . $str . "";
13
14 // Remove leading and trailing whitespaces
15 $cleanStr = trim($str);
16
17 echo "<br><br>String After Removing Trailing Whitespace:<br>";
18 echo "" . $cleanStr . "";
19 ?>
20
21 <!-- HTML Form -->
22 <form method="POST">
```

Output

Original String:
 This is nice today.

String After Removing Trailing Whitespace:
'This is nice today.'

<!-- HTML Form -->

<form method="POST">

<p>Enter a string:</p>

<input type="text" name="text" placeholder="Type your string here" required>

<button type="submit">Clean</button>

</form>

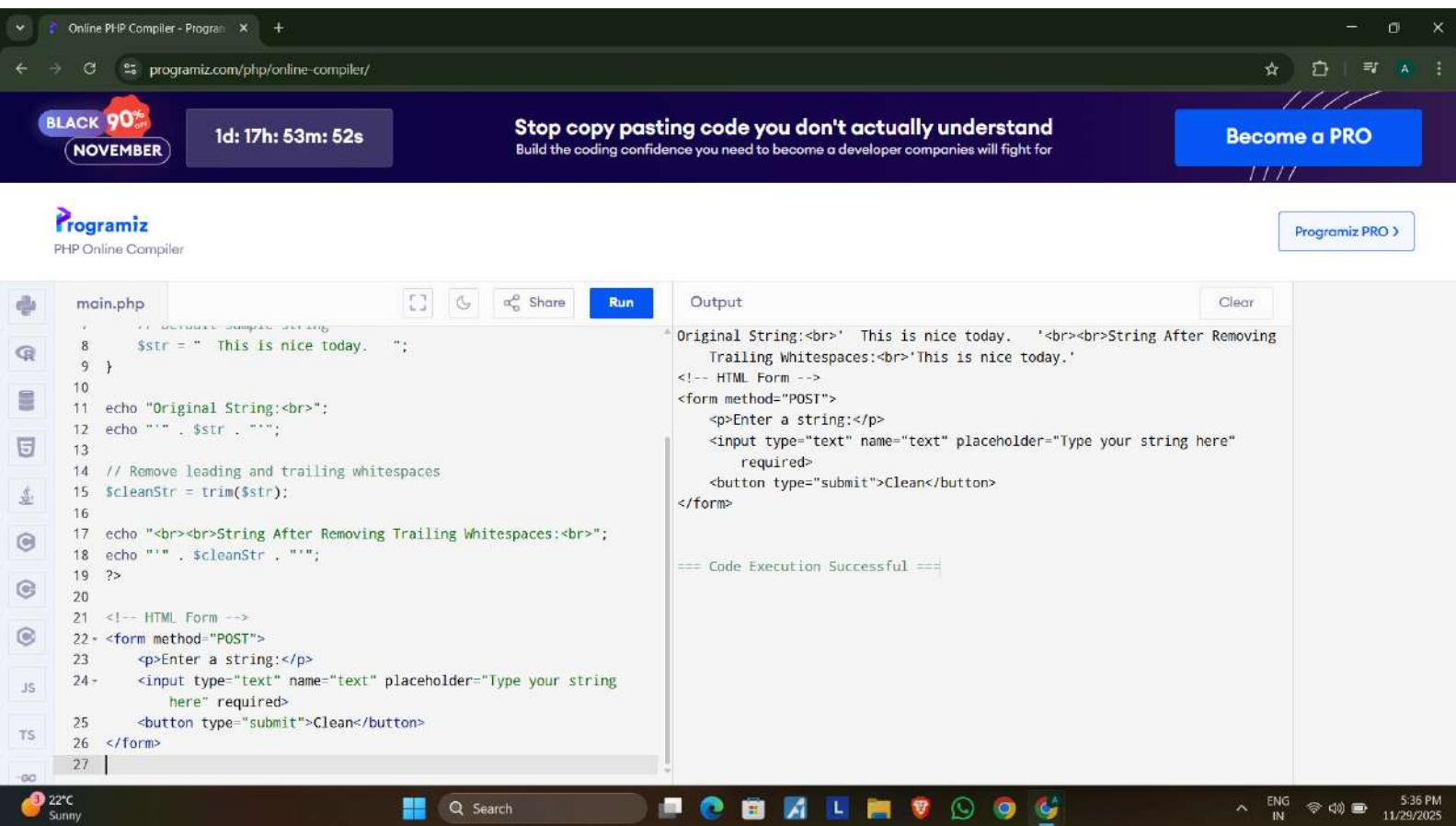
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main.php

```
1 <?php
2
3 if (isset($_POST['num'])) {
4     $n = intval($_POST['num']);
5 } else {
6     $n = 5; // default value
7 }
8
9 // Calculate sum of first n odd numbers
10 $sum = 0;
11 for ($i = 1, $count = 0; $count < $n; $i += 2, $count++) {
12     $sum += $i;
13 }
14
15 echo "Number of odd terms (n): $n<br>";
16 echo "Sum of first $n odd numbers: $sum<br>";
17
18 ?>
19
20 <!-- HTML Form -->
21 <form method="POST">
22     Enter value of n:</p>
```

Output

Clear

```
Number of odd terms (n): 5<br>Sum of first 5 odd numbers: 25<br><!-- HTML Form -->
<form method="POST">
    <p>Enter value of n:</p>
    <input type="number" name="num" placeholder="Enter n" required>
    <button type="submit">Calculate</button>
</form>

== Code Execution Successful ==
```

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main.php

```
main.php
1 <?php
2     $n = 5; // default value
3
4
5 // Calculate sum of first n odd numbers
6 $sum = 0;
7 for ($i = 1, $count = 0; $count < $n; $i += 2, $count++) {
8     $sum += $i;
9 }
10
11 echo "Number of odd terms (n): $n<br>";
12 echo "Sum of first $n odd numbers: $sum<br>";
13
14
15 ?>
16
17
18
19
20 <!-- HTML Form -->
21 <form method="POST">
22     <p>Enter value of n:</p>
23     <input type="number" name="num" placeholder="Enter n" required>
24     <button type="submit">Calculate</button>
25 </form>
```

Output

```
Number of odd terms (n): 5<br>Sum of first 5 odd numbers: 25<br><!-- HTML Form -->
<form method="POST">
    <p>Enter value of n:</p>
    <input type="number" name="num" placeholder="Enter n" required>
    <button type="submit">Calculate</button>
</form>

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```

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main.php

```
1 <?php
2
3- if (isset($_POST['main']) && isset($_POST['search'])) {
4     $mainString = $_POST['main'];
5     $searchString = $_POST['search'];
6- } else {
7     // Default values
8     $mainString = "Hello, today is a good day.";
9     $searchString = "good";
10 }
11
12 echo "Main String: '$mainString'<br>";
13 echo "Search For: '$searchString'<br><br>";
14
15 // Check if main string contains search string
16- if (strpos($mainString, $searchString) !== false) {
17     echo "Result: The string contains the word.";
18- } else {
19     echo "Result: The string does NOT contain the word.";
20 }
21
22 ?>
```

Run

Output

Main String: 'Hello, today is a good day.'
Search For: 'good'

>Result: The string contains the word.

<!-- HTML Form -->

<form method="POST">

<p>Enter Main String:</p>

<input type="text" name="main" required>

<p>Enter Search String:</p>

<input type="text" name="search" required>

<button type="submit">Check</button>

</form>

==== Code Execution Successful ===

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main.php

```
8     $mainString = "Hello, today is a good day.";
9     $searchString = "good";
10    }
11
12 echo "Main String: '$mainString'<br>";
13 echo "Search For: '$searchString'<br>";
14
15 // Check if main string contains search string
16 if (strpos($mainString, $searchString) !== false) {
17     echo "Result: The string contains the word.";
18 } else {
19     echo "Result: The string does NOT contain the word.";
20 }
21
22 ?>
23
24 <!-- HTML Form -->
25 <form method="POST">
26     <p>Enter Main String:</p>
27     <input type="text" name="main" required>
28
29     <p>Enter Search String:</p>
30     <input type="text" name="search" required>
31
32     <button type="submit">Check</button>
33 </form>
```

Output

Main String: 'Hello, today is a good day.'
Search For: 'good'
>Result: The string contains the word.
<!-- HTML Form -->
<form method="POST">
 <p>Enter Main String:</p>
 <input type="text" name="main" required>

 <p>Enter Search String:</p>
 <input type="text" name="search" required>

 <button type="submit">Check</button>
</form>

== Code Execution Successful ==

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Search

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main.php

```
12 13 14 15 // Check if main string contains search string
16+ if (strpos($mainString, $searchString) !== false) {
17    echo "Result: The string contains the word.";
18+ } else {
19    echo "Result: The string does NOT contain the word.";
20 }
21
22 ?>
23
24 <!-- HTML Form -->
25+ <form method="POST">
26    <p>Enter Main String:</p>
27    <input type="text" name="main" required>
28
29    <p>Enter Search String:</p>
30    <input type="text" name="search" required>
31
32    <button type="submit">Check</button>
33 </form>
34 |
```

Output

```
Main String: 'Hello, today is a good day.'<br>Search For: 'good'<br>>Result: The string contains the word.
<!-- HTML Form -->
<form method="POST">
<p>Enter Main String:</p>
<input type="text" name="main" required>

<p>Enter Search String:</p>
<input type="text" name="search" required>

<button type="submit">Check</button>
</form>

== Code Execution Successful ==|
```

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main.php

```
1 <?php
2 for ($i = 1; $i <= 5; $i++) { // number of rows
3     for ($j = 1; $j <= $i; $j++) { // print stars in each row
4         echo "* ";
5     }
6     echo "<br>";
7 }
8 ?>
9
```

Run

Output

Clear

```
* <br>* * <br>* * * <br>* * * * <br>
== Code Execution Successful ==
```

21°C Clear

Search

L 11/29/2025 6:12 PM

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main.php

```
1 <?php
2 if (isset($_POST['email'])) {
3     $email = $_POST['email'];
4
5     echo "Entered Email: $email<br>";
6
7     if (filter_var($email, FILTER_VALIDATE_EMAIL)) {
8         echo "<b>Valid Email Address </b>";
9     } else {
10        echo "<b>Invalid Email Address </b>";
11    }
12 }
13 ?>
14
15 <form method="POST">
16   <p>Enter Email:</p>
17   <input type="text" name="email" required>
18
19   <button type="submit">Check Email</button>
20 </form>
21
22
```

Output

*
* *
* * *
* * * *

==== Code Execution Successful ===

Clear

20°C Clear

Search

6:24 PM 11/29/2025

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main.php

```
1 <?php
2 if (isset($_POST['email'])) {
3     $email = $_POST['email'];
4
5     echo "Entered Email: $email<br>";
6
7     if (filter_var($email, FILTER_VALIDATE_EMAIL)) {
8         echo "<b>Valid Email Address </b>";
9     } else {
10        echo "<b>Invalid Email Address </b>";
11    }
12 }
13 ?>
14
15 <form method="POST">
16   <p>Enter Email:</p>
17   <input type="text" name="email" required>
18
19   <button type="submit">Check Email</button>
20 </form>
21
22
```

Output

Clear

```
<form method="POST">
<p>Enter Email:</p>
<input type="text" name="email" required>

<button type="submit">Check Email</button>
</form>

== Code Execution Successful ==
```

20°C Clear

Search

ENG IN

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main.php

```
1 <?php
2 $n = 10;
3
4 echo "First $n even numbers:<br>";
5
6 for ($i = 1; $i <= $n; $i++) {
7     echo ($i * 2) . " ";
8 }
9 ?>
10
```

Output Clear

First 10 even numbers:
2 4 6 8 10 12 14 16 18 20
== Code Execution Successful ==

20°C Clear

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main.php

```
1 <?php
2 if (isset($_POST['submit'])) {
3     $n = intval($_POST['number']);
4
5     echo "First $n even numbers:<br>";
6
7     for ($i = 1; $i <= $n; $i++) {
8         echo ($i * 2) . " ";
9     }
10 }
11 ?>
12
13<form method="post">
14    Enter N: <input type="number" name="number" required>
15    <button type="submit" name="submit">Submit</button>
16 </form>
```

Output

Clear

```
<form method="post">
    Enter N: <input type="number" name="number" required>
    <button type="submit" name="submit">Submit</button>
</form>

==== Code Execution Successful ===
```

20°C Clear

Search

L 11/29/2025 6:34 PM

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main.php

```
1 <?php
2 $color = array('white', 'green', 'red');
3
4 // Sort the array to match the output order
5 sort($color); // This will make it: ['green', 'red', 'white']
6
7 foreach ($color as $c) {
8     echo "$c<br>";
9 }
10 ?>
11 |
```

Run

Output

Clear

```
green <br> red <br> white <br>
== Code Execution Successful ==
```

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