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main.php

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Run

```
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 ?>
```

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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Run

```
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     // Check odd divisors up to the number
21     for ($i = 3; $i < $num; $i += 2) {
22         if ($num % $i == 0) {
23             return false;
24         }
25     }
26     return true;
27 }
```

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

17- 11 (\$num % 2 == 0) {
18- return false;
19- }
20- // Check odd divisors up to the number
21- for (\$i = 3; \$i < \$num; \$i += 2) {
22- if (\$num % \$i == 0) {
23- return false;
24- }
25- }
26-
27- return true;
28- }
29-
30- // Function to display result
31- function checkAndDisplay(\$num) {
32- \$result = isPrimeBasic(\$num);
33-
34- if (\$result) {
35- echo "\$num is a PRIME number.\n";
36- } else {
37- echo "\$num is NOT a prime number.\n";
38- }
39- }

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

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42
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```
24     }  
25 }  
26  
27 return true;  
28 }  
29  
30 // Function to display result  
31 function checkAndDisplay($num) {  
32     $result = isPrimeBasic($num);  
33  
34     if ($result) {  
35         echo "$num is a PRIME number.\n";  
36     } else {  
37         echo "$num is NOT a prime number.\n";  
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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Run

Output

Clear

```
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")
14     . "\n";
15 ?>
```

Enter a string to check: Hi Everyone!
Method (strtolower): false

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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 }

23 }

24 }

25

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!

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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";

Run

Share

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

27- if (\$result) {
28- echo "Result: ✓ YES - This is a PALINDROME!\n";
29- } else {
30- echo "Result: X NO - This is NOT a palindrome.\n";
31- }
32- echo "\n";
33- }
34-
35- echo "\n\nEnter a string to check if it's a palindrome: ";
36- \$userInput = trim(fgets(STDIN));
37-
38- echo "\nCheck exact match? (y/n): ";
39- \$choice = trim(fgets(STDIN));
40-
41- if (strtolower(\$choice) === 'n') {
42- checkPalindrome(\$userInput, true);
43- } else {
44- checkPalindrome(\$userInput, false);
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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Run

Output

Clear

```
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 }
```

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

=== Code Execution Successful ===

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main.php

```
1 // Convert string to lowercase for case-insensitive comparison
2
3 $str = strtolower($str);
4
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 }
23 ?>
24
```

Run

Output

Clear

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

=== Code Execution Successful ===

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main.php

Run

Output

Clear

```
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 ?>
```

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):
+-----

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main.php

Run

Share

```
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

Clear

```
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

Run

Share

```
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;
```

Output

Clear

```
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

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```
// Ascending order
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
31 <!-- HTML Form -->
32 <form method="POST">
33   <p>Enter numbers separated by commas (,):</p>
34   <input type="text" name="numbers" placeholder="Example: 5,2,9,1
35     ,7" required>
36   <button type="submit">Sort</button>
37 </form>
```

Run

Share

Clear

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

Run

Share

```
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 Whitespaces:\n";
12 echo "'$cleanStr'";
13 ?>
14
```

Output

Clear

Original String:
' This is nice today. '

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

=== Code Execution Successful ===

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Test annotation answer

+ Ask anything

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main.php

Run

Share

Clear

```
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 Whitespaces:<br>";
18 echo "" . $cleanStr . "";
19 ?>
20
21 <!-- HTML Form -->
22 <form method="POST">
```

Output

Clear

```
Original String:<br>' This is nice today. ' <br><br>String After Removing
Trailing Whitespaces:<br>'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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```
1 // Remove trailing spaces
2 $str = " This is nice today. ";
3 }
4
5
6
7
8 echo "Original String:<br>";
9 echo "' . $str . "'";
10
11
12 // Remove leading and trailing whitespaces
13 $cleanStr = trim($str);
14
15
16 echo "<br><br>String After Removing Trailing Whitespaces:<br>";
17 echo "' . $cleanStr . "'";
18 ?>
19
20
21 <!-- HTML Form -->
22 <form method="POST">
23   <p>Enter a string:</p>
24   <input type="text" name="text" placeholder="Type your string
25     here" required>
26   <button type="submit">Clean</button>
27 </form>
```

Output

Clear

```
* Original String:<br>' This is nice today. ' <br><br>String After Removing
  Trailing Whitespaces:<br>'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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```

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```
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     <p>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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```
1 // echo {
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 <!-- HTML Form -->
16 <form method="POST">
17     <p>Enter value of n:</p>
18     <input type="number" name="num" placeholder="Enter n" required>
19     <button type="submit">Calculate</button>
20 </form>
```

OutputClear

Number of odd terms (n): 5
Sum of first 5 odd numbers: 25
<!-- 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

Run

Share

Clear

```
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 ~
```

Output

Clear

```
Main String: 'Hello, today is a good day.'<br>Search For: 'good'<br><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 ===
```

Air: Poor Tomorrow

Search

ENG IN

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main.php

8 \$mainString = "Hello, today is a good day.";

9 \$searchString = "good";

10 }

11

12 echo "Main String: '\$mainString'
";

13 echo "Search For: '\$searchString'

";

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

Clear

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 ===

Air: Poor Tomorrow

Search

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main.php

Run

Output

Clear

```
14 echo "Search For: 'good' contains the word.";
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
```

```
Main String: 'Hello, today is a good day.'<br>Search For: 'good'<br><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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Search

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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 "
";

7 }

8 ?>

9

Run

Output

Clear

*
* *
* * *
* * * *
* * * * *

=== Code Execution Successful ===

JS

TS

GO

21°C Clear

Search

Edge

File Explorer

VS Code

WhatsApp

Chrome

Firefox

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main.php

Run

```
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

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

20°C Clear

Search

Task View

Edge

File Explorer

VS Code

WhatsApp

Chrome

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PHP Online Compiler

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main.php

Run

Share

```
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:
";

5

6 for (\$i = 1; \$i <= \$n; \$i++) {

7 echo (\$i * 2) . " ";

8 }

9 ?>

10

Run

Output

Clear

First 10 even numbers:
2 4 6 8 10 12 14 16 18 20

=== Code Execution Successful ===

20°C Clear

Search

6:32 PM 11/29/2025

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PHP Online Compiler

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main.php

Run

Share

```
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>
17
```

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

ENG IN

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main.php

Run

Share

```
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 |
```

Output

Clear

```
• green <br>• red <br>• white <br>

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

JS

TS

GO

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Search

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