

main.js

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Run

```
1 let a=parseInt(prompt("enter a number:"));
2 if(a%2===0){
3     console.log("Even");
4 }
5 else
6     console.log("Odd");
```

Output

Clear

enter a number:5
Odd

=== Code Execution Successful ===

main.js

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Run




```
1 • for (let i = 1; i <= 10; i++) {  
2   console.log(i);  
3 }
```

Output

Clear

1
2
3
4
5
6
7
8
9
10

=== Code Execution Successful ===

main.js	<div><div></div><div></div><div> Share</div><div>Run</div></div>	Output
<pre>1 let n=Number(prompt()); 2 let arr=[]; 3 let sum=0; 4 for(let i=0;i<=n;i++){ 5 arr[i]=Number(prompt()); 6 sum+=arr[i]; 7 } 8 console.log(sum);</pre>		<pre>3 10 20 30 60 === Code Execution Successful ===</pre>

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Output

```
1 let n = Number(prompt());
2 let arr = [];
3
4 for (let i = 0; i < n; i++) {
5   arr[i] = prompt();
6 }
7
8 for (let i = 0; i < n; i++) {
9   console.log(arr[i]);
10 }
11
```

2
10
1
10
1

=== Code Execution Successful ===

```
1 let n = Number(prompt());
2 let arr = [];
3 let count=0;
4
5+ for (let i = 0; i < n; i++) {
6   arr[i] = prompt();
7   count++;
8 }
9
10 console.log(count);
11
```

```
3
10
2
3
3
```

=== Code Execution Successful ===

main.js



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Run

Output

```
1 let str = prompt();
2 let reversed = "";
3
4 for (let i = str.length - 1; i >= 0; i--) {
5   reversed += str[i];
6 }
7
8 console.log(reversed);
9
```

hello

olleh

=== Code Execution Successful ===

main.js	<div><div></div><div></div><div>Share</div><div>Run</div></div>	Output
<pre>1 //find the largest no in the array 2 let arr=[1,2,3,10,7] 3 let max=arr[0]; 4 for(let i=1;i<arr.length;i++){ 5 if(arr[i]>max) 6 max=arr[i]; 7 } 8 console.log(max);</pre>	<pre>10 === Code Execution Successful ===</pre>	

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Output

Clear

```
1 //8. Check whether a number is positive, negative, or zero.
2
3 let n=Number(prompt())
4 if(n>0)
5   console.log("+ve");
6 else if(n<0)
7   console.log("-ve");
8 else
9   console.log("ZERO");
10
```

2
+ve

=== Code Execution Successful ===



Run

Output

```
1 //9. Print the multiplication table for a given number.
2
3 let n=Number(prompt())
4 for(let i=1;i<=10;i++)
5 {
6     console.log(n+"X"+i+"="+n*i);
7 }
8
```

5
$5 \times 1 = 5$
$5 \times 2 = 10$
$5 \times 3 = 15$
$5 \times 4 = 20$
$5 \times 5 = 25$
$5 \times 6 = 30$
$5 \times 7 = 35$
$5 \times 8 = 40$
$5 \times 9 = 45$
$5 \times 10 = 50$

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

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Output

```
1 //10. Count the number of vowels in a string.
2
3 let str = prompt();
4 let count = 0;
5 let vowels = "aeiouAEIOU";
6
7- for (let i = 0; i < str.length; i++) {
8-   if (vowels.includes(str[i])) {
9       count++;
10   }
11 }
12
13 console.log(count);
14
```

prakash

2

=== Code Execution Successful ===

main.js



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Run

Output

```
1 //Write a function to return the greater of two numbers.
```

```
2
```

```
3 function greater(a, b) {
```

```
4   if (a > b) {
```

```
5     return a;
```

```
6   } else {
```

```
7     return b;
```

```
8   }
```

```
9 }
```

```
10
```

```
11 console.log(greater(10, 20));
```

```
12
```

```
13
```

20

=== Code Execution Successful ===

main.js	<div><div><div></div><div></div><div></div></div><div>Share</div><div>Run</div></div>	Output
<pre>1 let obj = { 2 name: "Raj", 3 age: 20, 4 course: "CSE" 5 }; 6 7 for (let key in obj) { 8 console.log(key + " : " + obj[key]); 9 } 10</pre>	<pre>name : Raj age : 20 course : CSE === Code Execution Successful ===</pre>	

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Output

1 //13. Check if a given value exists in an array.

2

3

4 let arr = [10, 20, 30, 40];

5 let value = 30;

6 let found = false;

7

8 for (let i = 0; i < arr.length; i++) {

9 if (arr[i] === value) {

found = true;

break;

12 }

13 }

14

15 console.log(found ? "Value exists" : "Value does not exist");

16

Value exists

=== Code Execution Successful ===

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Run

Output

```
1 //14. Find the factorial of a given number.
```

```
2
```

```
3
```

```
4 let n = 5;
```

```
5 let fact = 1;
```

```
6
```

```
7 for (let i = 1; i <= n; i++) {
```

```
8   fact = fact * i;
```

```
9 }
```

```
10
```

```
11 console.log(fact);
```

```
12
```

120

=== Code Execution Successful ===

main.js



Run

Output

```
1 //15. Check whether a string is a palindrome.
2
3
4 let str = "madam";
5 let reversed = "";
6
7 for (let i = str.length - 1; i >= 0; i--) {
8   reversed += str[i];
9 }
10
11 if (str === reversed) {
12   console.log("Palindrome");
13 } else {
14   console.log("Not Palindrome");
15 }
16
```

Palindrome

=== Code Execution Successful ===

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Output

```
1 //16. Print numbers from 10 to 1 using a loop.
2
3
4
5 for(let i=10;i>0;i--)
6 console.log(i);
7
```

10
9
8
7
6
5
4
3
2
1

=== Code Execution Successful ===

main.js



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Output

```
1 //17. Count how many even numbers are in an array
2
3 let arr = [1, 2, 3, 4, 6, 9];
4 let count = 0;
5
6 for (let i = 0; i < arr.length; i++) {
7   if (arr[i] % 2 === 0) {
8     count++;
9   }
10 }
11
12 console.log(count);
13
14
```

3

=== Code Execution Successful ===

main.js



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Output

1 //18. Convert all characters in a string to uppercase.

2

3 let str = "hello";

4 let upperStr = str.toUpperCase();

5

6 console.log(upperStr);

7

8

9

HELLO

=== Code Execution Successful ===

main.js	<div><div><div></div><div></div><div></div></div><div>Share</div><div>Run</div></div>	Output
<pre>1 //19. Create a function that returns the square of a number. 2 function square(n) { 3 return n * n; 4 } 5 6 console.log(square(5)); 7 8 9 10</pre>	<pre>25 === Code Execution Successful ===</pre>	

<div>main.js</div> <div><div><div></div><div></div><div></div></div><div>Share</div><div>Run</div></div>	Output
<pre>1 //20. Find the smallest number in an array 2 let arr = [5, 2, 9, 1, 7]; 3 let min = arr[0]; 4 5 for (let i = 1; i < arr.length; i++) { 6 if (arr[i] < min) { 7 min = arr[i]; 8 } 9 } 10 11 console.log(min); 12 13</pre>	<pre>1 === Code Execution Successful ===</pre>