

The screenshot shows a code editor interface with the following components:

- File Explorer:** On the far left, there are several small icons representing different file types.
- Title Bar:** The title bar displays the file name "main.js".
- Toolbar:** A horizontal toolbar contains icons for saving, running, and sharing, followed by a large blue "Run" button.
- Code Editor:** The main area contains the following JavaScript code:

```
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 Panel:** To the right of the code editor, the "Output" panel shows the results of the execution:

enter a number:5
Odd
--- Code Execution Successful ---
- Clear Button:** In the top right corner of the output panel, there is a "Clear" button.

main.js



Run

Output

Clear

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

```
1  
2  
3  
4  
5  
6  
7  
8  
9  
10
```

==== Code Execution Successful ===

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

The screenshot shows a code editor interface with a blue header bar. Below the header, there are several icons: a file icon, a refresh/circular arrow icon, a share icon, and a run button labeled "Run". The main area is divided into two sections: "main.js" on the left and "Output" on the right.

main.js

```
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
```

Output

```
2
10
1
10
1
==== Code Execution Successful ===
```

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

main.js

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



Run

Output

```
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);
```

10

==== Code Execution Successful ===

main.js

Run 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 ===

| | | | | | |
|--|--|--|--|-----|--|
| main.js | | | | 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 5X1=5 5X2=10 5X3=15 5X4=20 5X5=25 5X6=30 5X7=35 5X8=40 5X9=45 5X10=50 == Code Execution Successful == |

| main.js | | Run | 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 |    | Run | prakash 2 ==== Code Execution Successful === |

main.js

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



```
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 |
```

Output

```
name : Raj  
age : 20  
course : CSE  
==== Code Execution Successful ===
```

main.js

Run

```
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) {
10     found = true;
11     break;
12   }
13 }
14
15 console.log(found ? "Value exists" : "Value does not exist");
16
```

Output

Value exists
==== Code Execution Successful ===

main.js

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

Run

Output

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 ==

main.js



Share

Run

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

Run 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



Run

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

Run Output

```
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
```

25
==== Code Execution Successful ===

main.js

Run

Output

```
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
```

1
==== Code Execution Successful ===