1. Question: Reverse a string without using the built-in reverse() method.

Output

```
dlrow olleh
dlrow olleh
```

2. Question: Count the number of vowels in a given string.

Output

```
[ 'A', 'u', 'a', 'a' ]
Auaa
4
```

3. Question: Convert the first letter of each word in a sentence to uppercase.

Output

```
I Love Javascript
```

4. Question: Check if a string is a palindrome.

Output

```
its a palndrome
```

5. Question: Find the sum of all positive numbers in an array.

Output

```
[ 3, 4, 6, 35, 2, 43 ]
```

6. Question: Find the index of the first occurrence of a specific element in an array.\
   Output
   ```
   The element 30 is at index 2.
   ```
7. Question: Remove all duplicates from an array without built-in methods.

Output

```
Array with duplicates: [
  1, 2, 2, 3,
  4, 4, 5
]
Array without duplicates: [ 1, 2, 3, 4, 5 ]
Original Array: [
  64, 34, 25, 12,
  22, 11, 90
]
```

8. Question: Sort the array in ascending and descending without built-in methods.

Output

```
Array in Ascending Order: [
  11, 12, 22, 25,
  34, 64, 90
]
Array in Descending Order: [
  90, 64, 34, 25,
  22, 12, 11
]
```

9. Question: Print all even numbers between 1 and 20 using a while loop.

Output

```
2 Even
4 Even
6 Even
8 Even
10 Even
12 Even
14 Even
16 Even
18 Even
20 Even
```

10. Question: Calculate the factorial of a number using a do-while loop.

Output

```
The factorial of 5 is: 120
```

11. Question: Iterate through the properties of an object using a for-in loop

Output

```
abdulsamad
muhammad Amin
```

12. Question: Loop through an array using a for-of loop and double each element.

Output

```
1
23
6
3
undefined
6
6
7
9
23
67
undefined
undefined
undefined
352
256
undefined
2352
255
```

13. Question: Check if a number is even or odd and return a corresponding message

Output

```
2 is Even
```

14. Question: Find the maximum of three numbers using nested ternary operators.

Output

```
The maximum of the three numbers is: 12
```

15. Question: Determine if a year is a leap year or not.

Output

```
2024   LEAP YEAR
```