TASK-4 METHODS IN STRINGS

```
var fruits = ['apple','banana','orange'];
fruit = fruits.join(" ,");
console.log('"'+fruit+'"')
```
OUTPUT: "apple ,banana ,orange"
Explaination: The code creates an array of fruits and joins them into a single string, using " ," as the separator, which adds a space before each comma. The resulting string is then wrapped in double quotes for display

```
var numbers = [1,2,3,4,5];
number = numbers.join("-");
console.log('"'+number+'"')
```
output: "1-2-3-4-5"
Explaination: The code creates an array called numbers containing the integers 1 to 5. It then uses the join method to concatenate the array elements into a single string, separated by hyphens, resulting in "1-2-3-4-5". Finally, it logs the string wrapped in double quotes to the console

```
var char = ['H','e','l','l','o'];
chars = char.join("");
console.log('"'+chars+'"')
```
output: "Hello"
explaination: The code defines an array called char containing the letters of the word "Hello". It then uses the join method to concatenate the array elements into a single string without any separators, resulting in "Hello". Finally, it logs the string wrapped in double quotes to the console

```
var text = 'javascript is awesome' ;
```

```
texts=text.slice(0,10);
console.log('"'+texts+'"')
```
output: "javascript"
explaination: The code initializes a string variable text with the value 'javascript is awesome'. It uses the slice method to extract a substring from the start (index 0) to index 10, resulting in 'javascript'. Finally, it logs the extracted substring wrapped in double quotes to the console

```
var sentence = 'i love learning javascript!';
sentences=sentence.slice(7,15);
console.log('"'+sentences+'"')
```
output: "learning"
explaination: The code initializes a string variable sentence with the value 'i love learning javascript!'. It uses the slice method to extract a substring from index 7 to index 15, resulting in 'learning'. Finally, it logs the extracted substring wrapped in double quotes to the console

```
var text ='frontend development';
texts =text.slice(-11);
console.log('"'+texts+'"')
```
output: "development"
explaination: The code initializes a string variable text with the value 'frontend development'. It uses the slice method with a negative index of -11, which counts from the end of the string, resulting in 'development'. Finally, it logs the extracted substring wrapped in double quotes to the console

```
var date = '2024-10-21';
dates=date.split("-",);
console.log(dates)
```

output: ['2024', '10', '21']

explaination: The code initializes a string variable date with the value '2024-10-21'. It uses the split method to divide the string into an array at each hyphen, resulting in the array ['2024', '10', '21']. Finally, it logs the array to the console, displaying the individual components of the date.

```
var text='i love javascript programming';
console.log(text.split(" ",2 ));
```
output: ['i', 'love']

explaination: The code initializes a string variable text with the value 'i love javascript programming'. It uses the split method to divide the string into an array at each space, but limits the output to the first two elements

```
url ='https://www.example.com/path/page.html';
console.log(url.split("/"));
```
output: ['https:', '', 'www.example.com', 'path', 'page.html']

explaination: The code initializes a string variable url with the value 'https://www.example.com/path/page.html'. It uses the split method to divide the string into an array at each forward slash ("/")