11. Assay to string():-

this method converts each elements of an assay to string.

then concatenates them together; separating each element with a comma.

Example:-

Vag ass = [1,2,3, "hello"]; consoler log (auro to String ());

0/1:- 1,2,3, hello

12. Array join ?-

join() method is used to join the element of an assay with a different seresalor, you can use the join() method, passing the desired separates as an asgument:

Example: vas as =[1,2,3, "helb"];
consoleolog (assoin ("-"));

0/p:- 1-2-3-hello

B. Array copy Within ():-

copy Within () method copies a sequence of elements within the askay to the position starting at the target index.

Example:-

let asq = [10,20,30,40,50];

console. log (ass. copy Within (0,3));

11 dp :- 40 50 30 40 50

Console. log (ass. copy Within (1,3));

11 olp: 10 40 50 40 50

Console log (ass. copy Within (0,3,4));

No/p:- 40 20 30 40 50

Console, log (ass. copy Within (1,2,4));

No/p:- 10 30 40 40 50

Var ass = ["a", "b", "c", "d", "e", "f"];

console log (ass. copy Within (0,4,5));

No/p:- [e,b,c,d,e,f]

14. Assay flat():
flatin method creates a new assay with all sob-assay

clements concatenated into it securishely up to the

specified septh.

Var ass = [1,2,3,[4,5], [6,7,[8,9]]];

var b = ass flat ()

console log(b);

No/p:-[1,2,3,4,5] Assay (3)

Seach Methods :-

o index Of (): method in JS is used to search an element within an away o it between the index of the first occurance of the specified element of -1 if the element is not found.

Example: - Vag asq = [1,2,3, [4,5]]; consoler log (asq, indexOf([4,5])); 11-1 consoler log (asq, indexOf(3)); 112

method, but it searches for the last occurrence of a specified element with in an array.

```
Example: - var an = [1,2,3,4,5,6,4,2];

consoleolog (ass. last Index Of (2)); || 7

consoleolog (ass. last Index Of (4)); | 6

· includes (): - method in Java script is used to determine whether an assay contains a specific element.

It setup true is the assay contains the element and false obsawise.

Example: - let ass = ['al, 'bl, 'cl, 'd', 'el, 'fl];

consoleolog (ass. includes ("b"); || true

consoleolog (ass. includes ("k"); || false.
```

TASKS:

Task 1: Using concat

Objective: Merge two or more arrays.

Task: Create two arrays, one with your favorite sports and one with your favorite hobbies. Use the concat method to merge them into a single array.

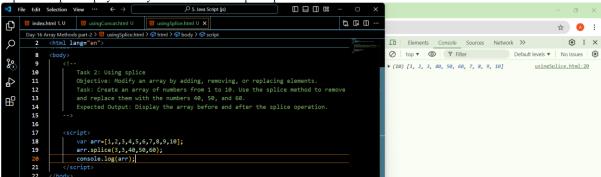
Expected Output: Display the merged array.

Task 2: Using splice

Objective: Modify an array by adding, removing, or replacing elements.

Task: Create an array of numbers from 1 to 10. Use the splice method to remove the numbers 4, 5, and 6, and replace them with the numbers 40, 50, and 60.

Expected Output: Display the array before and after the splice operation.

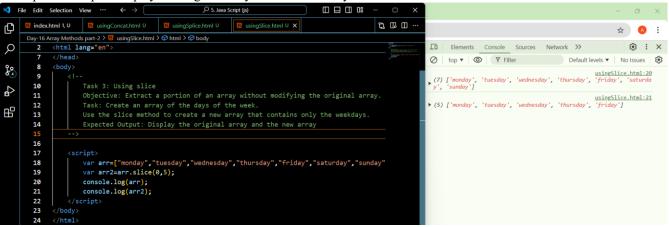


Task 3: Using slice

Objective: Extract a portion of an array without modifying the original array.

Task: Create an array of the days of the week. Use the slice method to create a new array that contains only the weekdays.

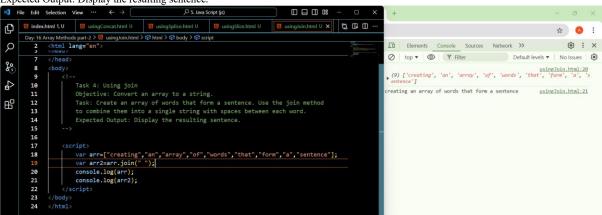
Expected Output: Display the original array and the new array.



Task 4: Using join

Objective: Convert an array to a string.

Task: Create an array of words that form a sentence. Use the join method to combine them into a single string with spaces between each word. Expected Output: Display the resulting sentence.



Task 5: Using sort

Objective: Sort the elements of an array.

Task: Create an array of random numbers. Use the sort method to sort the numbers in ascending order.

Expected Output: Display the sorted array.

