

String and array activities

These activities offer the chance to practice the stuff we covered in the lecture.

1. Bracket Notation Exploration

Description: Given a string, use bracket notation to access and display individual characters at various positions within the string. Example: If the string is "JavaScript," retrieve and display the characters at positions 2, 5, and 8.

2. Array Manipulation Challenge:

Description: Create an array of your favorite fruits. Apply array manipulation techniques such as adding, removing, and modifying elements. Experiment with different methods like push, pop, shift, and unshift.

3. Multi-Dimensional Array Puzzle:

Description: Given a multi-dimensional array representing a 3x3 matrix, write JavaScript code to access and display specific elements within the matrix using nested indexes. Example: Access and display the value at the second row and third column.

```
let matrix = [  
  [11, 12, 13],  
  [14, 15, 16],  
  [17, 18, 19]  
];
```

4. Find the index of elements:

Description: Given the array `["apple", "strawberry", "peach"]`, return the index value of "strawberry". Also return the index value of "Carl"

5. Change the word

Description: Given a word such as "hello", write a program to change the word to "Jello". Hint: Use some of the string and array methods we discussed in the lecture to accomplish this.