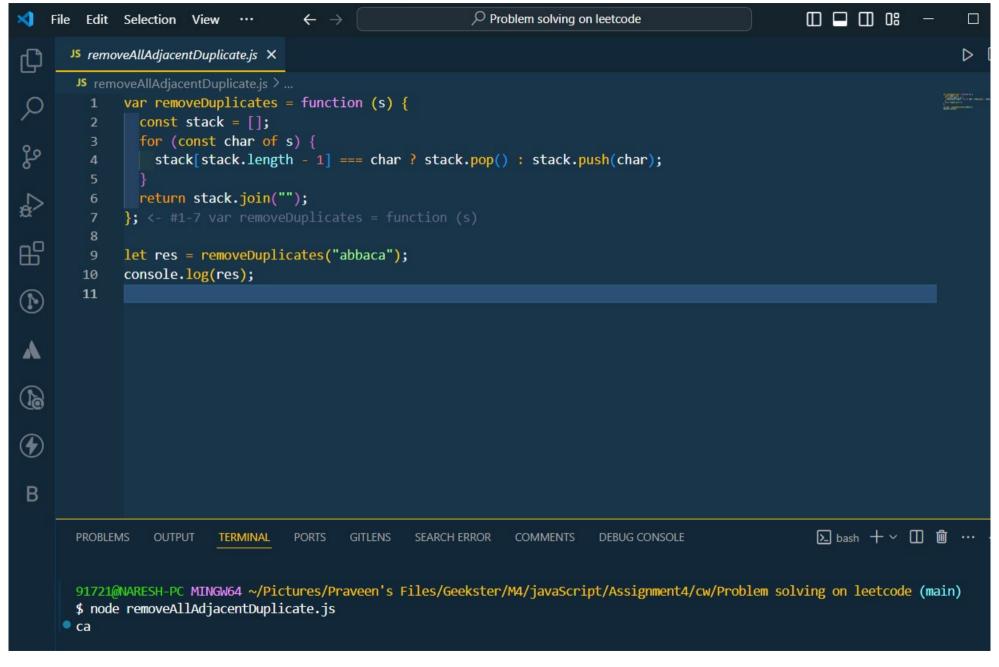
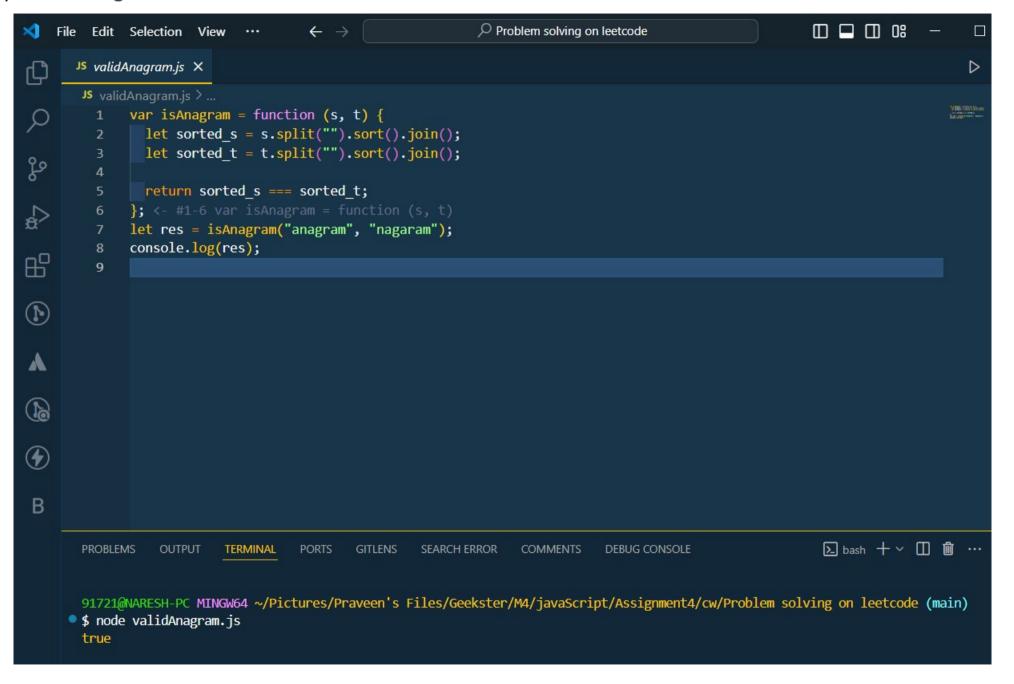
Note: "All the solutions to the questions are provided, and we also have the output of these questions in the terminal."

1.) Remove all adjacent duplicates from a string :



2.) Valid Anagram:



3.) Decode String:

```
💢 File Edit Selection View Go Run …
                                                                            Problem solving on leetcode
      JS decodeString.js X
       JS decodeString.js > ...
             function decodeString(s) {
               let numStack = [];
               let strStack = [];
مړ
               let currentNum = 0;
               let currentStr = "";
4
                for (let char of s) {
                 if (!isNaN(char)) {
留
                   currentNum = currentNum * 10 + parseInt(char); // Build the number
                  } else if (char === "[") {
(1)
                   numStack.push(currentNum);
A
                   strStack.push(currentStr);
                   currentNum = 0;
(16)
                   currentStr = "";
                  else if (char === "]") {
(1)
                   let repeatTimes = numStack.pop();
                    let previousStr = strStack.pop();
В
                   currentStr = previousStr + currentStr.repeat(repeatTimes);
                   currentStr += char;
               return currentStr;
             console.log(decodeString("3[a]2[bc]"));
              console.log(decodeString("2[abc]3[cd]ef"));
       PROBLEMS OUTPUT TERMINAL
                                                    SEARCH ERROR COMMENTS
                                                                            DEBUG CONSOLE
       91721@NARESH-PC MINGW64 ~/Pictures/Praveen's Files/Geekster/M4/javaScript/Assignment4/cw/Problem solving on leetcode (main)
      $ node decodeString.js
       aaabcbc
       accaccacc
       abcabccdcdcdef
```

4.) Reorganize String:

```
Problem solving on leetcode
          Edit Selection View
                                 Go
(C)
      JS reorganizeString.js X
             function reorganizeString(s) {
              const charCount = {};
               for (const char of s) {
                 if (charCount[char]) {
                   charCount[char]++;
                   charCount[char] = 1;
const sortedChars = Object.keys(charCount).map((char) => [
                 char,
                 charCount[char],
sortedChars.sort((a, b) => b[1] - a[1]);
(4)
               if (sortedChars[0][1] > Math.ceil(s.length / 2)) {
               const result = new Array(s.length);
               let index = 0;
               for (const [char, count] of sortedChars) {
                 for (let i = 0; i < count; i++) {</pre>
                   if (index >= s.length) {
                     index = 1; // Start filling from odd indices
                   result[index] = char;
                   index += 2;
               return result.join("");
             console.log(reorganizeString("aab")); // Output: "aba"
             console.log(reorganizeString("aaab")); //
        41
       PROBLEMS OUTPUT
                         TERMINAL
                                   PORTS GITLENS SEARCH ERROR COMMENTS DEBUG CONSOLE
     91721@NARESH-PC MINGW64 ~/Pictures/Praveen's Files/Geekster/M4/javaScript/Assignment4/cw/Problem solving on leetcode (main)
       $ node reorganizeString.js
       aba
```