Challenge 2

```
1) function capitalizeAfterSpace(a) {
  var capitalizedString = '';
  var capitalizeNext = true;
  for (var i = 0; i <a.length; i++) {
    var char = a[i];
    if (char === ' ') {
      capitalizeNext = true;
      capitalizedString += char;
    } else {
      if (capitalizeNext) {
        capitalizedString += char.toUpperCase();
        capitalizeNext = false;
      } else {
        capitalizedString += char.toLowerCase();
      }
    }
  }
  return capitalizedString;
}
var a= " Learn from pre-recorded videos and get support when you are stuck.";
var result = capitalizeAfterSpace(a);
console.log(result);



2) var fruits = ["apple", "banana", "cherry", "date"];
var combinedString = fruits.join(", ");
console.log(combinedString);
```

```javascript
3) function getPermutations(string) {
  if (string.length === 1) {
    return [string];
  }
  var permutations = [];
  for (var i = 0; i < string.length; i++) {
    var char = string[i];
    var remainingChars = string.substring(0, i) + string.substring(i + 1);
    var subPermutations = getPermutations(remainingChars);
    for (var j = 0; j < subPermutations.length; j++) {
      permutations.push(char + subPermutations[j]);
    }
  }
  return permutations;
}
var a = "abc";
var result = getPermutations(a);
console.log(result);


4) function checkPalindrome(a) {
  let count = 0;
  if (a.length % 2 === 0) {
    for (let i = 0; i <= a.length / 2 - 1; i++) {
      if (a[i] !== a[a.length - 1 - i]) {
        count++;
      }
    }
    if (count === 0) {
      console.log("it is a palindrome");
    } else {
```

```javascript
      console.log("it is not a palindrome");
    }
  } else {
    for (let i = 0; i <= (a.length - 1) / 2; i++) {
      if (a[i] !== a[a.length - 1 - i]) {
        count++;
      }
    }
    if (count === 0) {
      console.log("it is a palindrome");
    } else {
      console.log("it is not a palindrome");
    }
  }
}
var Str = "racecar";
checkPalindrome(Str);
```