Instructions:

- Solve the following question by yourself. Please avoid using GPT or any similar tool to generate the answer, as this will make it difficult to develop your own logic. You may not be able to create a logical solution for a program that isn't available on the internet, and tools like GPT can't generate code for you. So, be honest with yourself and complete the exercises below independently. If you need help, feel free to ask your teacher
- Before writing any program, take a piece of paper and write on it, when you understand the logic then implement on code editor
- Don't leave any question unanswered, attempt the question as much as you understand.
- Don't share the code with your classmates.

Q1) Add an element 'apple' to the end of an array of fruits. If the original array is ['orange', 'banana', 'grapes'], what will the array look like after adding 'apple'?

Example:
Original Array: ['orange', 'banana', 'grapes']
New Array: ['orange', 'banana', 'grapes', 'apple']

Q2) Remove the last element from an array of animals. If the original array is ['lion', 'tiger', 'elephant', 'giraffe'], what will the array look like after removing the last element?

Example:
Original Array: ['lion', 'tiger', 'elephant', 'giraffe']
New Array: ['lion', 'tiger', 'elephant']

Q3) Add the element 'cherry' to the beginning of an array of fruits. If the original array is ['apple', 'banana', 'grapes'], what will the array look like after adding 'cherry'?

Example:
Original Array: ['apple', 'banana', 'grapes']
New Array: ['cherry', 'apple', 'banana', 'grapes']

Q4) Remove the first element from an array of colors. If the original array is ['red', 'blue', 'green', 'yellow'], what will the array look like after removing the first element?

Example:

Original Array: ['red', 'blue', 'green', 'yellow']

New Array: ['blue', 'green', 'yellow']

Q5) Replace the element at index 2 with 'peach' in an array of fruits. If the original array is ['apple', 'banana', 'grapes', 'cherry'], what will the array look like after the replacement?

Example:

Original Array: ['apple', 'banana', 'grapes', 'cherry']

New Array: ['apple', 'banana', 'peach', 'cherry']

Q6) Given an array of numbers, use the forEach method to double each number. If the original array is [2, 4, 6, 8], what will the modified array look like?

Example:

Original Array: [2, 4, 6, 8]

Modified Array: [4, 8, 12, 16]

Q7) Add the elements 'rose' and 'tulip' to the end of an array of flowers. If the original array is ['daisy', 'lily'], what will the array look like after adding the elements?

Example:

Original Array: ['daisy', 'lily']

New Array: ['daisy', 'lily', 'rose', 'tulip']

Q8) Remove the elements at index 1 and 2 from an array of names. If the original array is ['Alice', 'Bob', 'Charlie', 'David'], what will the array look like after the removal?

Example:

Original Array: ['Alice', 'Bob', 'Charlie', 'David']

New Array: ['Alice', 'David']

Q9) Given an array of fruits, use the forEach method to add 'fresh' before each fruit. If the original array is ['apple', 'banana', 'grapes'], what will the modified array look like?

Example:

Original Array: ['apple', 'banana', 'grapes']

Modified Array: ['fresh apple', 'fresh banana', 'fresh grapes']

Q10) Add the elements 'summer' and 'winter' to the beginning of an array of seasons. If the original array is ['spring', 'autumn'], what will the array look like after adding the elements?

Example:
Original Array: ['spring', 'autumn']
New Array: ['summer', 'winter', 'spring', 'autumn']

Best of Luck