Q) Remove array element by shifting elements from right to left remove(n)

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.3;
contract ArrayManipulation {
  uint[] public data;
  // Function to add elements to the array (for testing purposes)
  function addElement(uint element) public {
     data.push(element);
  }
  // Function to remove an element at the specified index by shifting elements
  function remove(uint index) public {
     require(index < data.length, "Index out of bounds");
     for (uint i = index; i < data.length - 1; i++) {
        data[i] = data[i + 1];
     data.pop();
  // Function to get the array length
  function getLength() public view returns (uint) {
     return data.length;
  }
  // Function to get the entire array (for testing purposes)
  function getData() public view returns (uint[] memory) {
     return data;
  }
Output for example:
// [1, 2, 3] -- remove(1) --> [1, 3, 3] --> [1, 3]
```