Question

1. Write a JavaScript program that takes an array of integers and returns all the even numbers (using filter method)

2. Write a JavaScript program to generate all permutations of an array's elements (contains duplicates).
    INPUT - [1, 33, 5]
    OUTPUT - [[1,33,5],[1,5,33],[33,1,5],[33,5,1],[5,1,33],[5,33,1]]

3. Write a JavaScript program to find all unique values in an given array of numbers
    INPUT - [1, 2, 2, 3, 4, 4, 5]
    OUTPUT - [1,2,3,4,5]

4. Write a JavaScript function to remove a specific element from an array.

5. Write a JavaScript function to merge two arrays and remove all duplicated elements.

6. Write a JavaScript function to sort the following array of objects by title value.
    SAMPLE OBJECT-

```
var library = [
    {
        title: 'Bill Gates',
        author: 'The Road Ahead',
        libraryID: 1254
    },
    {
        title: 'Steve Jobs',
        author: 'Walter Isaacson',
        libraryID: 4264
    },
    {
        title: 'Mockingjay: The Final Book of The Hunger
Games',
        author: 'Suzanne Collins',
        libraryID: 3245
```

```
    }];
```

7. Given a non-negative number represented as an array of digits, add 1 to
    the number (increment the number represented by the digits).The digits
    are stored such that the most significant digit is at the head of the list.

    INPUT - [1, 2, 3]
    OUTPUT - [1,2,4]

    INPUT - [1, 2, 9]
    OUTPUT - [1, 3, 0]

8. Write a JavaScript program to display the array of objects whose reading
    status is true.
    SAMPLE DATA:

```javascript
var library = [
    {
        title: 'Bill Gates',
        author: 'The Road Ahead',
        readingStatus: true
    },
    {
        title: 'Steve Jobs',
        author: 'Walter Isaacson',
        readingStatus: true
    },
    {
        title: 'Mockingjay: The Final Book of The Hunger
Games',
        author: 'Suzanne Collins',
        readingStatus: false
    }];
```

9. Write a function called lucky_sevens() which takes an array of integers and
    returns true if any three consecutive elements sum to 7.