Assignment

1. Javascript to calculate user's age, based on DOB, check age eligibility, & provide validation alert

   A major goal of our recruitment survey is to identify users who are between the ages of 14-24 (target population) and those who are not (not eligible for our study). Currently, we ask users for their date of birth (MM/DD/YYYY) and would like to use JS to:

   - Calculate age, based on the current date
   - Determine if the age is within our target range (14-24)
   - Provide a validation alert to the users AND/OR categorize users using embedded data in the categories of eligible/ineligible based on age

2. Write a merge sort program in JavaScript.
   Sample array : [34,7,23,32,5,62]
   Sample output : [5, 7, 23, 32, 34, 62]

3. Write a JavaScript program to compute the greatest common divisor (GCD) of two positive integers.

4. Write a JavaScript function to get the last element of an array.
   Passing a parameter 'n' will return the last 'n' elements of the array.
   Go to the editor
   Test Data :

```
console.log(last([7, 9, 0, -2]));
console.log(last([7, 9, 0, -2],3));
console.log(last([7, 9, 0, -2],6));
Expected Output :
    -2
    [9, 0, -2]
    [7, 9, 0, -2]
```

5. Write a JavaScript program to remove duplicate items from an array (ignore case sensitivity).