**HTML JS Day15 Assessment:**

1. Write a JavaScript program to get the current date   
   *Expected*

***Output:***mm-dd-yyyy, mm/dd/yyyy or dd-mm-yyyy, dd/mm/yyyy

1. Write a JavaScript program to determine whether a given year is a leap year in the Gregorian calendar.
2. Write a JavaScript program to check whether a matrix is a diagonal matrix or not. In linear algebra, a diagonal matrix is a matrix in which the entries outside the main diagonal are all zero (the diagonal from the upper left to the lower right). [Go to the editor](https://www.w3resource.com/javascript-exercises/javascript-basic-exercises.php#EDITOR)  
   Example:  
   [1, 0, 0], [0, 2, 0], [0, 0, 3] ]) = true  
   [1, 0, 0], [0, 2, 3], [0, 0, 3] ]) = false
3. Write a JavaScript program to check a number from three given numbers where two numbers are equal, find the third one.
4. Write a JavaScript program to sort an array of all prime numbers between 1 and a given integer
5. Write a JavaScript program to check the total marks of a student in various examinations. The student will get an A+ grade if the total marks are in the range of 89..100 inclusive if the examination is "Final-exam." the student will get an A+ grade and total marks must be greater than or equal to 90. Return true if the student gets an A+ grade or false otherwise.
6. Write a JavaScript program to get the difference between a given number and 13, if the number is greater than 13 return double the absolute difference.
7. Create a function that will merge two arrays and return the result as a new array
8. Create a function that will receive an array of numbers as an argument and will return a new array with distinct elements
9. Write a JavaScript code to divide a given array of positive integers into two parts. The first element goes to first part, the second element goes to the second part, the third element goes to the first part, and so on. Now compute the sum of two parts and store into an array of size two.

