Write Javascript programs for the following:

1. binary search
2. Sorting in descending the marks scored by students in a particular subject.
3. Find the sum of elements above the diagonal from (0,0) to (n-1,n-1) and the sum of elements below the diagonal. Display the biggest of the two sum.
4. Simulate the game of battleship
5. Assume you have details of participants of a conference in 2021. The detail include name and their mail as text. The mail begins as Dear Maam/Dear sir. Based on the Maam/sir create two separate arrays for male and female participants. The array must have entry with salutations as Mr.name and Ms.name.