1. Write a program which finds the first occurrence(index) of a given number in an array containing duplicate elements. (Use Binary Search)

2. Write a program which finds the last occurrence(index) of a given number in an array containing duplicate elements. (Use Binary Search)

3. Write a program which returns the count of a given number in an array using binary search concept.

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For Eg:- Input => arr = [2,5,9,11,11,11,15] and x = 11

Output = 4

Input => arr = [101,110,114,114,114,1001] and x = 114

Output = 3
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