LAB-02
Data Structure
CSE-204
Assignment on Binary Search
Military Institute of Science and Technology

1) Implement the following function:

void frequency(int n)

The function will take an integer *n* and find how many times it has occurred in that array. For example, if the arraylist contains 1,2,3,3,3,3,4,5 then after calling frequency(3) the output will be 4.

2) Implement the following function:

void insert_after_val (int val, int num_of_inputs)

The function will take an integer value val which has to be searched by binary search and num_of_inputs will say how many integers will be added by user in the arraylist after the value val. Insertion must be maintain a sorted arraylist. For example, if the arraylist contains 1, 2, 3, 4, 5, 7 then after calling insert_after_val (3,2) the output will be 1,2,3,x1,x2,5,7.

NB: While taking an input to insert in the array list, it will be inserted when it must be greater than its previous value and less than its next value. Otherwise it will show an error massage.
For example, if the arraylist contains 1, 2, 3, 4, 5, 7 then after calling insert_after_val (3, 1).
Insert: 8

Output: value can't be inserted.