an array of non-negative integers, design a linear algorithm of it using a program to find whether given key element is the array or not.

Hm >

the the input array from the user.

element x you want to smuch.

3ct flag = -1

op: array [stort] -> array [end]

· if motch found array [current pos] == x Print "found"

flag = 0 abort

After loop chick flag if flag ==-1

print "not found"

Stop

en an soited array of the integers, design an algo of implement using program to find element present or not.

ike imput array, left, right and key(x)

Loop: while (left X= right)

mid = left + (right - left)/2

if (an [mid] = = x)

return mid

else if (an [mid] < x)

left = m+1

else

right = mid-1

END GOP

en an already sorted array of the integers design an algo mplement it using a program to find whether given key is int or not. jonithm Begin Block rize = I rize 31ar1 = 0 End = block size while (arr[End] <= key If end < size) start = end end = end+ blocksize if (end > size -1) end = size done for (i= start to end-1) if (anti) = = key) return i

done return involid location End.