#include<stdio.h>

int binarysearch(int size,int arr[]int key)

{

int start=0,end=size-1;

while(start<=end){

int mid=(start+end)/2;

if(arr[mid]==key)

{

return mid;

}

else if(arr[mid]<key)

{

start=mid+1;

}

else

{

end=mid-1;

}

}

return 1;

}

int main()

{

int arr[]={2,5,14,9,15,29,7};

int size=sizeof(arr)/sizeof(arr[0]);

int key;

printf ("Enter the element to search");

scanf("%d",&key);

int result=binarysearch(size,arr[],key);

if(result!=1)

{

printf("Element is found");

}

else

{

printf("Element is not found");

}

return 0;

}