#include

int main()

{

int a[20];

int n,i,j,temp,key;

int first,mid,last;

printf("Enter the size of the array :");

scanf("%d",&n);

printf("Enter %d elements :",n);

for(i=0;ia[j+1])

{

temp=a[j]; a[j]=a[j+1]; a[j+1]=temp;

}

}

}

printf("\n\nThe sorted array is ---\n");

for(i=0;i<= last)

{

mid=(first+last)/2;

if(key==a[mid])

{

printf("\nThe element %d is found at location %d\n",key,mid+1);

return (0);

}

else if (key < a[mid])

{

last = mid-1;

}

Else

{

first = mid+1;

}

}

printf("\nThe element %d is not found in the array\n",key);

return (1);

}