#include<stdio.h>

#include<string.h>

void main()

{

int i,ctr=0,pos;

char arr[10][30],k[30];

printf("\nEnter the elements of the array in dictionary order : \n");

for(i=0;i<10;i++)

{

gets(arr[i]);

}

printf("\nEnter the word to be searched : ");

gets(k);

int l=0,h=9,mid;

while(l<=h)

{

mid=(l+h)/2;

if(strcmp(arr[mid],k)==0)

{

ctr=1;

pos=mid+1;

break;

}

else if(strcmp(arr[mid],k)<0)

l=mid+1;

else

h=mid-1;

}

if(ctr==0)

printf("The word %s was not found", k);

else

printf("The word %s was found at position %d", k, pos);

}