#include<stdio.h>

int main()

{

int a[5];

int key;

int i;

int mid;

int high=4;

int low=0;

printf("Enter elements:");

for(i=1;i<=5;i++)

{

scanf("%d",&a[i]);

}

printf("Enter key value:\n");

scanf("%d",&key);

while(low<=high)

{

mid=(low+high)/2;

if(a[mid]==key)

{

printf("Key found at %d",mid);

return 0;

}

else if(a[mid]<key)

{

low=mid+1;

}

else{

high=mid-1;

}

}

return 0;

}