BINARY SEARCH:

```
#include <stdio.h>
void search(int a[], int l, int h, int key)
      printf("Key not found\n");
   if (a[mid] == key)
       printf("Key found at location %d", mid);
       search(a, mid + 1, h, key);
   printf("Enter value of n :");
   printf("Enter the elements:");
       scanf("%d", &ar[i]);
   printf("Enter key to search :");
   scanf("%d", &key);
```

OUTPUT:

BINARY SEARCH:

```
User@PRATHIKSHA /c/ada lab

$ cd "/c/ada lab/" && g++ binary_search_recursive.cpp -o binary_search_recursive && "/c/ada lab/"binary_search_recursive
Enter value of n :6
Enter the elements:10 20 30 40 50 60
Enter key to search :30
Key found at location 2
User@PRATHIKSHA /c/ada lab

$ cd "/c/ada lab/" && g++ binary_search_recursive.cpp -o binary_search_recursive && "/c/ada lab/"binary_search_recursive
Enter value of n :5
Enter the elements:0 1 2 3 4
Enter key to search :5
Key not found
```