Output:

hp@hp-HP-Laptop-15s-fr2xxx:~/C\_Programs$ cc binary\_search.c

hp@hp-HP-Laptop-15s-fr2xxx:~/C\_Programs$ ./a.out

Enter the size of the array:8

Enter 8 elements: 5 2 8 9 10 -2 3

8

The elements of the array before sorting:

5 2 8 9 10 -2 3 8

The sorted array is:

-2 2 3 5 8 8 9 10

Enter the element to be searched:

10

The element 10 is found at location: 8

hp@hp-HP-Laptop-15s-fr2xxx:~/C\_Programs$