EXPERIMENT NO. 9

INPUT:

OUTPUT:

```
dl406@itadmin:~$ gedit Expt9.c
dl406@itadmin:~$ gcc Expt9.c
dl406@itadmin:~$ ./a.out
--- WELCOME TO IMPLEMENTATION OF BINARY SEARCH ---
Enter the number of elements of the array [maximum size = 100] : 5
Enter 5 elements of the array :
10
20
20
30
40
50
!! -- Operations available -- !!
1. Display Sorted List
2. Search a particular value
Please Enter your choice :
1
The sorted array is :
                                            40
                                                        50 !! -- Operations available -- !!
              20
1. Display Sorted List
2. Search a particular value
3. Exit
Please Enter your choice:
Enter the number to be searched :
30
30 is present in the sorted array at index : 2
!! -- Operations available -- !!
1. Display Sorted List
2. Search a particular value
3. Exit
Please Enter your choice :
Program Finished <u>!</u>! Thank You
```