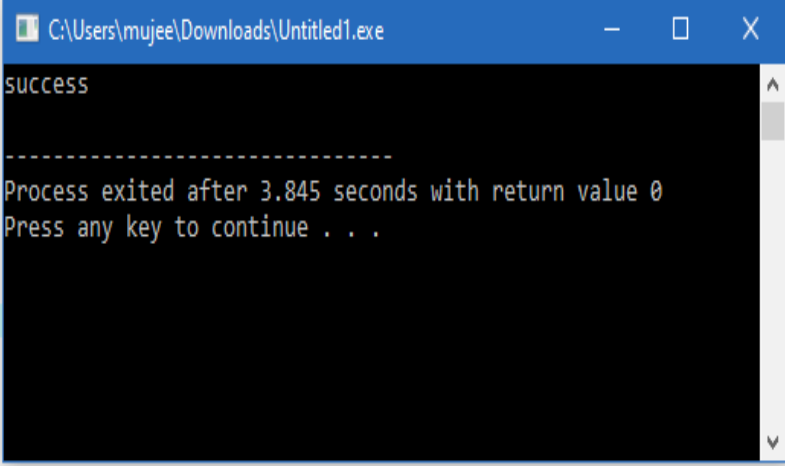


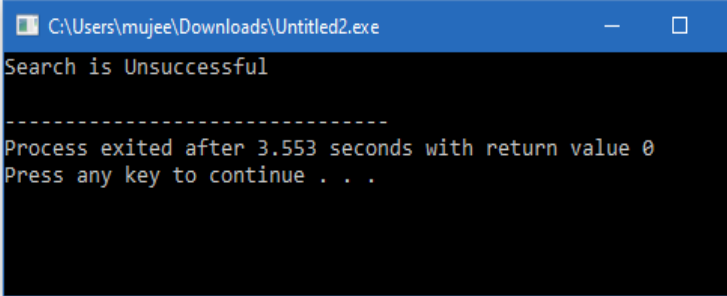
Q1 part 1`

```
Q1 Part1.txt  Untitled1.cpp
1  #include <iostream>
2  using namespace std;
3  void find(char B[7],char a){
4      for(int i=0;i<7;i++)
5      {
6          if(B[i]==a)
7          {
8              cout<<"success\n";
9          }
10     }
11 }
12 }
13 int main(){
14
15     char B[7]={'s', 'u','g' , 'a', 'z', 'e', 'y'};
16
17     find(B,'g');
18
19
20 }
```



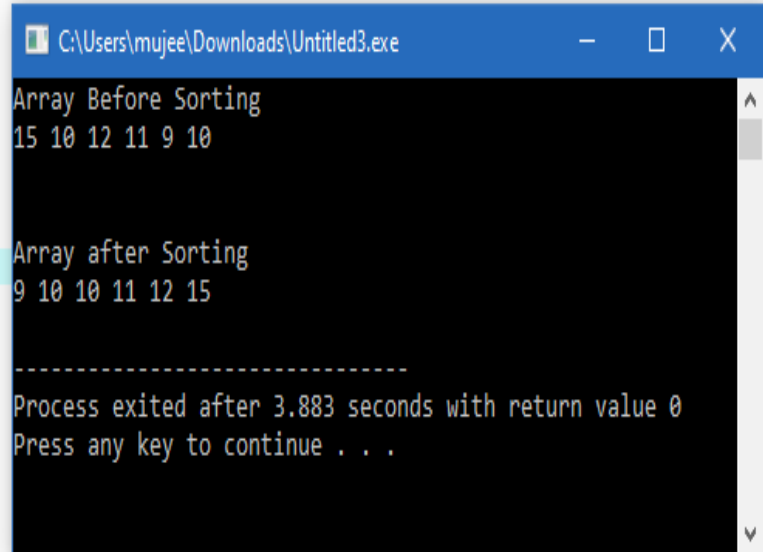
Q1 part 2

```
1  #include <iostream>
2  using namespace std;
3  void find(char B[7],char a){
4      int count=0;
5      for(int i=0;i<7;i++)
6      {
7          if(B[i]==a)
8          {
9              cout<<"Element g is found successfully\n";
10             count++;
11         }
12     }
13     if(count==0)
14     {
15         cout<<"Search is Unsuccessful\n";
16     }
17 }
18 }
19
20
21 int main(){
22
23     char B[7]={'s', 'u','g' , 'a', 'z', 'e', 'y'};
24
25     find(B,'m');
26
27
28 }
```



Q2

```
1 #include <iostream>
2 using namespace std;
3 void insertionSort(int arr[])
4 {
5     int i, key, j;
6     for (i = 1; i < 6; i++) //as we know the size of array is 6
7     {
8         key = arr[i];
9         j = i - 1;
10        while (j >= 0 && arr[j] > key)
11        {
12            arr[j + 1] = arr[j];
13            j = j - 1;
14        }
15        arr[j + 1] = key;
16    }
17 }
18 void printArray(int arr[])
19 {
20     int i;
21     for (i = 0; i < 6; i++)
22         cout << arr[i] << " ";
23     cout << endl;
24 }
25 int main(){
26
27     int B[]={15, 10, 12, 11, 9, 10};
28     cout<<"Array Before Sorting\n";
29     printArray(B);
30     insertionSort(B);
31     cout<<"\n\nArray after Sorting\n";
32     printArray(B);
33 }
```



```
C:\Users\mujee\Downloads\Untitled3.exe
Array Before Sorting
15 10 12 11 9 10

Array after Sorting
9 10 10 11 12 15

-----
Process exited after 3.883 seconds with return value 0
Press any key to continue . . .
```