



IQRA National

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Program: BE Electrical

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Subject Data Structure Lab

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(Global Scope) - main()

```
#include<iostream>
using namespace std;
int linearSearch(char array[], int size, char searchValue)
{
    for (int i=0; i<size; i++)
    {
        if (searchValue == array[i])
        {
            return i;
        }
    }
    return -1;
}
void main()
{
    char b[] = {'s','u','g','a','z','e','y'};
    char userValue;
    cout<<"Enter a character: " <<endl<<endl<<endl;
    cin>> userValue;
    char result = linearSearch(b,7,userValue);
    if(result >= 0)
    {
        cout<<"Element " << b[result] << " is found successfully" <<endl<<endl<<endl;
    }
    else
    {
        cout<<"Search is Unsuccessful " << endl<<endl<<endl;
    }
}
```

C:\WINDOWS\system32\cmd.exe

Enter a character:

g
Element g is found successfully

Press any key to continue . . .







