```cpp
#include<iostream>
#include<string>
#include<conio.h>
#include<stdlib.h>
using namespace std;

int main();
void show_data(int searchkey);
void get_data(int i);
void search_student(int searchkey);
void add_student();
void edit_student(int idnumber);
void fullscreen();
int ts;

struct student
{
    int rollno;
    string name;
    string fname;
    string cell;
    string dob;
    string address;
};
student rec[50];
int main()
{
    system("CLS");
    system("color B1");
    int choice;
    int idnumber;
    int searchkey;

    cout<<"Enter The Total Number of Student(s)- Max 50: ";
    cin>>ts;

    while(ts--)
    {
        cout<<"\n\t\tWhat do you want to do?"<<endl;
```

```cpp
40      cout<<"\t\t---------------------------"<<endl;
41      cout<<"\t\t1-Add student"<<endl;
42      cout<<"\t\t2-Edit student"<<endl;
43      cout<<"\t\t3-Search student"<<endl;
44      cout<<"\t\t4-Quit Program"<<endl;
45      cout<<"\t\t---------------------------"<<endl;
46      cout<<"Enter your choice: ";
47  cin>>choice;
48
49      switch(choice)
50      {
51          case 1:
52          add_student();
53          break;
54          case 2:
55          if(rec[0].rollno==0)
56          {
57              cout<<"Please Add sudents first."<<endl;
58              system("pause");
59          main();
60          }
61          else
62          {
63              cout<<endl;
64              cout<<"------------------------------------------------------------------"<<endl;
65              cout<<"------------------------------Student record Table----------------"<<endl;
66              cout<<"------------------------------------------------------------------"<<endl;
67              cout<<"ID    "<<"Roll    "<<"Name        "<<"Father\tCell no.        "<<"DOB          "<<"Address\n\n";
68              cout<<"------------------------------------------------------------------"<<endl;
69
70  for(int i=0;i<=ts;i++)
71          {
72              show_data(i);
73          }
74              cout<<"------------------------------------------------------------------"<<endl;
75              cout<<"Which ID number your want to edit: ";
76              cin>>idnumber;
77          if(idnumber>ts || idnumber<0)
78          {
79              cout<<"\nInvalid ID Number."<<endl;
80          }
81              else
82          {
```

```
82         {
83             edit_student(idnumber);
84         }
85     }
86     break;
87
88     case 3:
89         if(rec[0].rollno==0)
90         {
91             cout<<"Please Add sudents first."<<endl;
92             system("pause");
93             main();
94         }
95         else
96         {
97             cout<<"Enter roll_no of student you want to search: ";
98             cin>>searchkey;
99             search_student(searchkey);}
100            break;
101     case 4:
102         return 0;
103         break;
104     default:
105         cout<<"Invalid number."<<endl;
106         system("pause");
107     main();
108     }
109   }
110     return 0;
111 }
112 void get_data(int i)
113 {
114     cout<<"Enter student roll number in  format(1XXX): ";
115     cin>>rec[i].rollno;
116     cout<<"Enter student name: ";
117     cin>>rec[i].name;
118     cout<<"Enter student's Father name: ";
119     cin>>rec[i].fname;
120     cout<<"Enter student's cell phone number: ";
121     cin>>rec[i].cell;
122     cout<<"Enter student's Date of Birth(dd/mm/yyyy): ";
123     cin>>rec[i].dob;
124     cout<<"Enter student's Address: ";
```

```cpp
void show_data(int searchkey)
{
    int i=searchkey;
    cout<<i<<"     ";
    cout<<rec[i].rollno<<"     ";
    cout<<rec[i].name<<"      ";
    cout<<rec[i].fname<<"\t";
    cout<<rec[i].cell<<"     ";
    cout<<rec[i].dob<<"     ";
    cout<<rec[i].address<<"\n\n";
}
void search_student(int searchkey)
{
    for(int i=o;i<=ts;i++)
    {
        if(rec[i].rollno==searchkey)
        {
            cout<<"ID    "<<"Roll    "<<"Name        "<<"Father\tCell  no.      "<<"DOB          "<<"Address\n\n";
            show_data(i);
        }
    }
}
void add_student()
{
    for(int i=o;i<=ts;i++)
    {
        get_data(i);
    }
    system("CLS");
    cout<<endl;
    cout<<"------------------------------------------------------------------------------------"<<endl;
    cout<<"----------------------------------Student  record  Table----------------------------"<<endl;
    cout<<"------------------------------------------------------------------------------------"<<endl;
    cout<<"ID    "<<"Roll    "<<"Name        "<<"Father\tCell  no.      "<<"DOB          "<<"Address\n\n";
    cout<<"------------------------------------------------------------------------------------"<<endl;
        for(int i=o;i<=ts;i++)
    {
        show_data(i);
    }
    cout<<"------------------------------------------------------------------------------------"<<endl;
    cout<<"----------------------------------FINISH--------------------------------------------"<<endl;
    cout<<"------------------------------------------------------------------------------------"<<endl;
    system("pause");
```

```cpp
        s y s t e m ( " p a u s e " ) ;
        main();
    }
    void edit_student(int idnumber)
    {
        for(int  i=o;i<=ts;i++)
        {
            if(idnumber==i)
            {
                cout<<"\nExisted information about this record.\n\n";
                cout<<"---------------------------------------------------------------------------------------"<<endl;
                cout<<"ID   "<<"Roll    "<<"Name        "<<"Father\tCell  no.       "<<"DOB          "<<"Address\n\n";
                cout<<"---------------------------------------------------------------------------------------"<<endl;
                show_data(i);
                cout<<"\n\nEnter new data for above shown record.\n\n";
                get_data(i);
                cout<<"\n\nRecord updated successfully."<<endl;
                system("pause");
                main();
            }
        }
    }
```