

TERM PROJECT
(College Management System)
(OBJECT ORIENTED PROGRAMMING)
COMP2111



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Problem Statement:

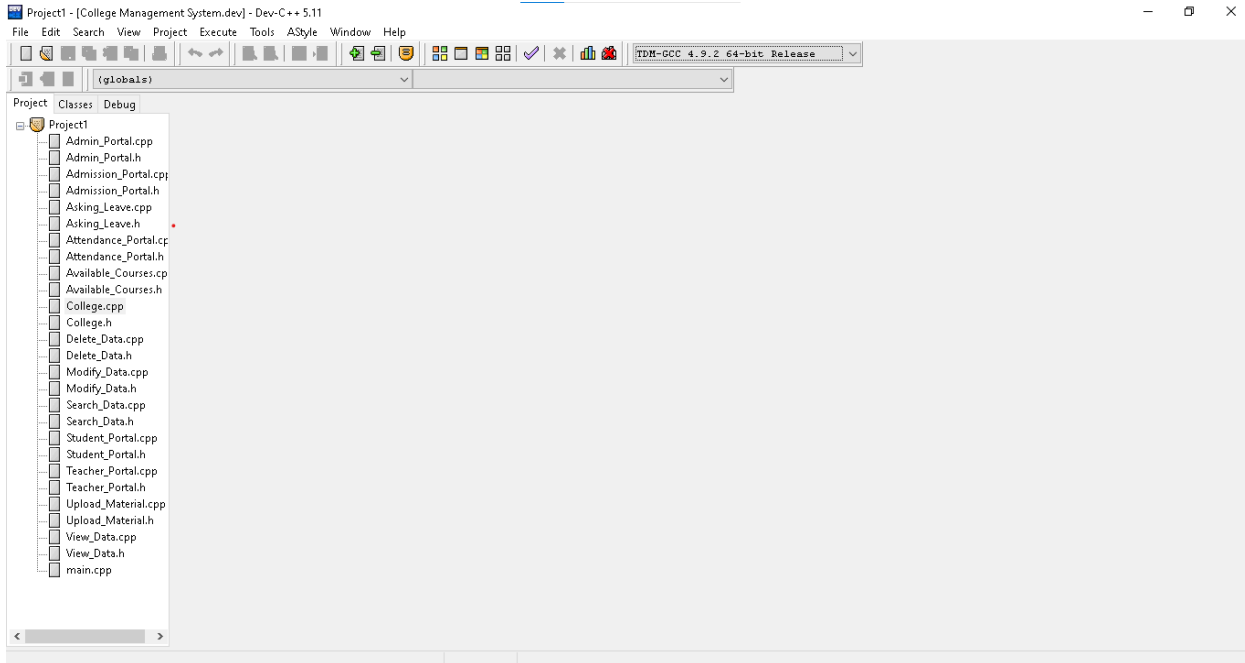
This program manages a system of a college in which there are **three logins**. First one is for student which allows a student to apply for **admission**, see **available courses** provided by that college, calculate his **average, percentage** and **grade** marks as well. Second login is for teaching faculty of that college in which teachers can **mark attendance** of students on daily basis, **view attendance** of any day, **ask for a leave** and **upload studying material** like quizzes, assignments and lectures. Then the login is for admin faculty which is able to **search** any student, **view** all students, **modify** data of a student and **delete** data of a student stored in database of that college.

Declaration of Classes:

The main classes, declared in the project are:

- **College**
- **Student Portal**
- **Teacher Portal**
- **Admin Portal**
- **Admission Portal**
- **Available Courses**
- **Attendance Portal**
- **Upload Material**
- **Asking Leave**
- **Search Data**
- **View Data**
- **Modify Data**
- **Delete Data**

Creation of Classes:



Project Code:

```
/*-----CLASS COLLEGE-----*/

/*-----HEADER FILE-----*/

#include<iostream>

#include<fstream>

#include<windows.h>

using namespace std;

class College{

    public:

        College();

        bool Login();

        bool Menu();

};

/*-----CLASS COLLEGE-----*/

/*-----CPP FILE-----*/

#include "College.h"

#include "Student_Portal.h"

#include "Teacher_Portal.h"

#include "Admin_Portal.h"

College::College(){
```

```
system("cls");

    system("color 6");
    string choice;
    cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
    cout<<"\n\t\t\t\t\t COLLEGE MANAGEMENT SYSTEM";
    cout<<"\n\t\t\t*****";
    cout<<"\n\n\t\t\t\t \3 \3 \3 WE ARE GLAD TO SEE YOU HERE \3 \3 \3";
    cout<<"\n\n\n\t\t\t\t\t 1. STUDENT PORTAL";
    cout<<"\n\n\n\t\t\t\t\t 2. TEACHER PORTAL";
    cout<<"\n\n\n\t\t\t\t\t 3. ADMIN PORTAL";
    cout<<"\n\n\n\t\t\t\t\t 4. EXIT";

    p:

        cout<<"\n\n\n\t\t\t\t\t ENTER YOUR CHOICE: "; cin>>choice;
        if(choice=="1"){
            bool status = Menu();
            if(status){
                Student_Portal sp;
            }
            else{
                Menu();
            }
        }
        else if(choice=="2"){
            bool status = Menu();
            if(status){
                Teacher_Portal tp;
            }
            else{
                Menu();
            }
        }
        else if(choice=="3"){
            bool status = Menu();
            if(status){
```

```

        Admin_Portal ap;

    }
    else{
        Menu();
    }
}
else if(choice=="4"){
    system("cls");
}
else{
    cout<<"\n\n\n\t\t\t\t!!! INCORRECT KEY PLEASE ENTER CORRECT KEY !!!";
    Sleep(1000);
    goto p;
}
}

bool College::Login(){
    system("cls");
    string username, password, un, pw;
    cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
    cout<<"\n\t\t\t\t\t\t\t\tLOGIN FORM";
    cout<<"\n\t\t\t\t*****";
    cout<<"\n\n\t\t\t\t \3 \3 \3 YOU CAN LOGIN IF YOU HAVE REGISTERED ONCE \3 \3 \3";
    cout<<"\n\n\n\t\t\t\t\tENTER USERNAME: "; cin>>username;
    cout<<"\n\t\t\t\t\t\t\tENTER PASSWORD: "; cin>>password;
    ifstream file("NAMEPASS.txt");
    getline(file, un); getline(file, pw);
    if(un==username && pw==password){
        return true;
    }
    else{
        return false;
    }
}
```

```
bool College::Menu(){  
    system("cls");  
    string choice;  
    cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";  
    cout<<"\n\t\t\t\t\t LOGIN PORTAL";  
    cout<<"\n\t\t\t*****";  
    cout<<"\n\n\t\t\t \3 \3 \3 IF YOU ARE FIRST TIME HERE REGISTER YOURSELF \3 \3 \3";  
    cout<<"\n\n\n\t\t\t\t\t1. REGISTER YOURSELF";  
    cout<<"\n\n\t\t\t\t\t2. LOGIN YOURSELF";  
    cout<<"\n\n\t\t\t\t\t3. BACK TO MAIN MENU";  
  
    q:  
        cout<<"\n\n\t\t\t\t\tENTER YOUR CHOICE: "; cin>>choice;  
        if(choice=="1"){  
            system("cls");  
            string username, password;  
            cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";  
            cout<<"\n\t\t\t\t\t REGISTRATION FORM";  
            cout<<"\n\t\t\t*****";  
            cout<<"\n\n\t\t\t\t\t\3 \3 \3 HERE YOU ARE REGISTERING YOURSELF \3 \3 \3";  
            cout<<"\n\n\n\t\t\t\t\t PLEASE SELECT A USERNAME: "; cin>>username;  
            cout<<"\n\t\t\t\t\t PLEASE SELECT A PASSWORD: "; cin>>password;  
            ofstream file;  
            file.open("NAMEPASS.txt");  
            file<<username<<endl<<password;  
            file.close();  
            cout<<"\n\n\t\t\t\t\t\t\t\3 \3 SUCCESSFULLY REGISTERED \3 \3"<<endl;  
            Sleep(1000);  
            Menu();  
        }  
        else if(choice=="2"){  
            bool status=Login();  
            if(status){  
                cout<<"\n\n\t\t\t\t\t\t\t LOADING...\n\t\t\t\t\t\t\t";  
                char y=219;
```

```

        for(int i=0; i<30; i++){
            cout<<y;
            Sleep(50);
        }
        cout<<"\n\n\t\t\t\t\t3 \3 \3 SUCCESSFULLY LOGGED IN \3 \3"<<endl;
        Sleep(1000);
        return true;
    }
    else{
        cout<<"\n\n\t\t\t\t\tLOADING...\n\t\t\t\t\t";
        char y=219;
        for(int i=0; i<30; i++){
            cout<<y;
            Sleep(50);
        }
        cout<<"\n\n\n\t\t\t\t\t !!! INCORRECT USERNAME OR PASSWORD !!!";
        Sleep(1000);
        return false;
    }
}

else if(choice=="3"){
    College clg;
}

else{
    cout<<"\n\n\n\t\t\t\t\t!!! INCORRECT KEY PLEASE ENTER CORRECT KEY !!!";
    Sleep(1000);
    goto q;
}

}

/*-----CLASS STUDENT PORTAL-----*/
/*-----HEADER FILE-----*/

#include<iostream>

using namespace std;

```

```

class Student_Portal{
public:
    Student_Portal();
    void Average_Calculator();
    void Percentage_Calculator();
    void Grade_Calculator();
};

/*-----CLASS STUDENT PORTAL-----*/
/*-----CPP FILE-----*/
#include "Student_Portal.h"
#include "Admission_Portal.h"
#include "College.h"
Student_Portal::Student_Portal(){
    system("cls");
    string choice;
    cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
    cout<<"\n\t\t\t\t\t\t\tSTUDENT PORTAL";
    cout<<"\n\t\t\t*****";
    cout<<"\n\n\t\t\t\t \3 \3 \3 WELCOME TO YOUR OWN COLLEGE \3 \3 \3";
    cout<<"\n\n\n\t\t\t\t\t\t\t 1. ADMISSION PORTAL";
    cout<<"\n\n\n\t\t\t\t\t\t\t 2. AVERAGE CALCULATOR";
    cout<<"\n\n\n\t\t\t\t\t\t\t 3. PERCENTAGE CALCULATOR";
    cout<<"\n\n\n\t\t\t\t\t\t\t 4. GRADE CALCULATOR";
    cout<<"\n\n\n\t\t\t\t\t\t\t 5. BACK TO MAIN MENU";
    cout<<"\n\n\n\t\t\t\t\t\t\t 6. EXIT";
    p:
        cout<<"\n\n\n\t\t\t\t\t\t\t ENTER YOUR CHOICE: "; cin>>choice;
        if(choice=="1"){
            Admission_Portal ap;
        }
        else if(choice=="2"){
            Average_Calculator();
        }
}

```


[illegible]

[illegible]

[illegible]

```

        grade="B";
        cout<<"\n\n\t\t\t\t\t YOUR GRADE IS: "<<grade;
    }
    else if(percentage>=50 && percentage<=59){
        grade="C";
        cout<<"\n\n\t\t\t\t\t YOUR GRADE IS: "<<grade;
    }
    else if(percentage>=40 && percentage<=49){
        grade="D";
        cout<<"\n\n\t\t\t\t\t YOUR GRADE IS: "<<grade;
    }
    else if(percentage>=33 && percentage<=39){
        grade="E";
        cout<<"\n\n\t\t\t\t\t YOUR GRADE IS: "<<grade;
    }
    else{
        grade="FAIL";
        cout<<"\n\n\t\t\t\t\t YOUR GRADE IS: "<<grade;
    }
T:
    char choice;
    cout<<"\n\n\n\t\t\t\t\t PRESS 'B' TO GO BACK TO TEACHER PORTAL: ";
    cin>>choice;
    if(choice=='b' || choice=='B'){
        Student_Portal ap;
    }
    else{
        cout<<"\n\n\n\t\t\t\t\t !!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
        Sleep(1000);
        goto T;
    }
}

/*-----CLASS TEACHER PORTAL-----*/

```

```
/*-----HEADER FILE-----*/  
#include<iostream>  
using namespace std;  
class Teacher_Portal{  
public:  
    Teacher_Portal();  
    void AskForLeave();  
    void UploadMaterial();  
    void MarkingAttendance();  
};  
  
/*-----CLASS TEACHER PORTAL-----*/  
/*-----CPP FILE-----*/  
#include "Teacher_Portal.h"  
#include "College.h"  
#include "Upload_Material.h"  
#include "Asking_Leave.h"  
#include "Attendance_Portal.h"  
Teacher_Portal::Teacher_Portal(){  
    system("cls");  
    string choice;  
    cout<<"\n\t\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";  
    cout<<"\n\t\t\t\t\t\t\t\t\t\tTEACHER PORTAL";  
    cout<<"\n\t\t\t\t*****";  
    cout<<"\n\n\t\t\t\t\t \3 \3 \3 WELCOME TO THE TEACHER PORTAL \3 \3 \3";  
    cout<<"\n\n\t\t\t\t\t\t\t1. ATTENDANCE PORTAL";  
    cout<<"\n\n\t\t\t\t\t\t\t2. UPLOAD MATERIAL";  
    cout<<"\n\n\t\t\t\t\t\t\t3. ASK FOR LEAVE";  
    cout<<"\n\n\t\t\t\t\t\t\t4. BACK TO MAIN MENU";  
    p:  
        cout<<"\n\n\t\t\t\t\t\t\tENTER YOUR CHOICE: "; cin>>choice;  
        if(choice=="1"){  
            Attendance_Portal attdp;  
        }  
}
```

```

        else if(choice=="2"){
            Upload_Material um;
        }
        else if(choice=="3"){
            Asking_Leave al;
        }
        else if(choice=="4"){
            College clg;
        }
        else{
            cout<<"\n\n\n\t\t\t\t!!! INCORRECT KEY PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto p;
        }
    }
}

```

```

/*-----CLASS ADMIN PORTAL-----*/

```

```

/*-----HEADER FILE-----*/

```

```

#include<iostream>

```

```

#include<fstream>

```

```

using namespace std;

```

```

class Admin_Portal{

```

```

    public:

```

```

        Admin_Portal();

```

```

};

```

```

/*-----CLASS ADMIN PORTAL-----*/

```

```

/*-----CPP FILE-----*/

```

```

#include "Admin_Portal.h"

```

```

#include "College.h"

```

```

#include "Search_Data.h"

```

```

#include "View_Data.h"

```

```

#include "Modify_Data.h"

```

```

#include "Delete_Data.h"

```

```
Admin_Portal::Admin_Portal(){  
    system("cls");  
    string choice;  
    cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";  
    cout<<"\n\t\t\t\t\t\t\tADMIN PORTAL";  
    cout<<"\n\t\t\t\t*****";  
    cout<<"\n\n\t\t\t\t \t \t \t WELCOME TO THE ADMIN PORTAL \t \t \t";  
    cout<<"\n\n\n\t\t\t\t\t1. SEARCH STUDENT DATA";  
    cout<<"\n\n\n\t\t\t\t\t2. VIEW STUDENT DATA";  
    cout<<"\n\n\n\t\t\t\t\t3. MODIFY STUDENT DATA";  
    cout<<"\n\n\n\t\t\t\t\t4. DELETE STUDENT DATA";  
    cout<<"\n\n\n\t\t\t\t\t5. BACK TO MAIN MENU";  
  
    p:  
        cout<<"\n\n\n\t\t\t\t\tENTER YOUR CHOICE: "; cin>>choice;  
        if(choice=="1"){  
            Search_Data sd;  
        }  
        else if(choice=="2"){  
            View_Data vd;  
        }  
        else if(choice=="3"){  
            Modify_Data md;  
        }  
        else if(choice=="4"){  
            Delete_Data dd;  
        }  
        else if(choice=="5"){  
            College clg;  
        }  
        else if(choice=="6"){  
            system("cls");  
        }  
        else{  
            cout<<"\n\t\t\t\t\t !!! INVALID CHOICE PLEASE ENTER VALID CHOICE !!!";
```

[illegible]

p:

```
cout<<"\n\n\t\t\t\t\t ENTER YOUR CHOICE: "; cin>>choice;
if(choice=="1"){
    Available_Courses ac;
    ac.Course_Details();
}
else if(choice=="2"){
    Admission_Form();
}
else if(choice=="3"){
    Print_Chalan();
}
else if(choice=="4"){
    Student_Portal sp;
}
else{
    cout<<"\n\n\t\t\t\t\t !!! INVALID CHOICE PLEASE ENTER VALID CHOICE !!!";
    Sleep(1000);
    goto p;
}
```

}

[illegible]

[illegible]

```
system("cls");

cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
cout<<"\n\t\t\t\t\t\t\t\t\t\t\tCHALAN GENERATED";
cout<<"\n\t\t\t\t*****";
cout<<"\n\n\t\t\t \3 YOUR CHALAN FORM IS GENERATED SUCCESSFULLY FOR PRINTING \3";
cout<<"\n\n\n\t\t\t\t\tSTUDENT NAME : "<<n;
cout<<"\n\n\t\t\t\t\tSTUDENT CNIC : "<<id;
cout<<"\n\n\t\t\t\t\tSTUDENT GENDER : "<<g;
cout<<"\n\n\t\t\t\t\tSTUDENT E-MAIL : "<<e;
cout<<"\n\n\t\t\t\t\tSTUDENT PHONE : "<<p;
cout<<"\n\n\t\t\t\t\tSTUDENT MARKS : "<<m;
cout<<"\n\n\t\t\t\t\tSTUDENT SUBJECT : "<<s;
cout<<"\n\n\t\t\t\t\tDISCOUNTED-FEE : "<<d;
cout<<"\n\n\t\t\t\t\tSTUDENT SECTION : "<<z;
cout<<"\n\n\t\t\t\t-----";

}

}

data.close();

p:

char choice;

cout<<"\n\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
cin>>choice;
if(choice=='b' || choice=='B'){
    Admission_Portal ap;
}
else{
    cout<<"\n\n\n\n\t\t\t\t !!! INCORRECT KEY PLEASE ENTER CORRECT KEY !!!";
    Sleep(1000);
    goto p;
}

}

/*-----CLASS AVAILABLE COURSES-----*/
/*-----HEADER FILE-----*/
```

```
#include<iostream>
#include<fstream>
#include<windows.h>
using namespace std;
class Available_Courses{
public:
    string section,id,subject;
    int marks1,total,discount,total_fee,After_discount;
    void Course_Selection();
    void Course_Details();
    void FScEngineering();
    void FScMedical();
    void ICS();
    void ICom();
};

/*-----CLASS AVAILABLE COURSES-----*/
/*-----CPP FILE-----*/
#include "Available_Courses.h"
#include "Admission_Portal.h"
#include "Student_Portal.h"
void Available_Courses::Course_Selection(){
system("cls");
cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
cout<<"\n\t\t\t\t\t\t\t\t\t\tCOURSE SELECTION";
cout<<"\n\t\t\t\t*****";
cout<<"\n\t\t\t\t \3 \3 \3 HERE YOU CAN SELECT ONE OF THE FOLLOWING \3 \3 \3";
cout<<"\n\n\n\t\t\t\t\t1. F.Sc PRE-MEDICAL";
cout<<"\n\n\n\t\t\t\t\t2. F.Sc PRE-ENGINEERING";
cout<<"\n\n\n\t\t\t\t\t3. ICS";
cout<<"\n\n\n\t\t\t\t\t4. I.COM";
p:
int choice;
cout<<"\n\n\n\t\t\t\t\tENTER YOUR CHOICE: "; cin>>choice;
```

[illegible]

```

        cout<<"\n\n\t\t\t\t\tYOUR TOTAL FEE WAS "<<total_fee;
        cout<<"\n\n\t\t\t\t\tAFTER DISCOUNT YOUR FEE IS "<<After_discount;
        section = "MODEL SECTION";
        cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
        P:

            char choice;
            cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
            cin>>choice;
            if(choice=='b' || choice=='B'){
                Admission_Portal ap;
            }
            else{
                cout<<"\n\n\n\t\t\t\t\t!!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
                Sleep(1000);
                goto P;
            }
    }
else if (marks1 <= 1100 && marks1 >= 900) {
    cout<<"\n\n\t\t\t\t\tYOU GOT SUPER SECTION";
    discount = 88;
    After_discount = total_fee - (total_fee * discount / 100);
    cout<<"\n\n\t\t\t\t\tYOU GOT '95'% DISCOUNT";
    cout<<"\n\n\t\t\t\t\tYOUR TOTAL FEE WAS "<<total_fee;
    cout<<"\n\n\t\t\t\t\tYOUR FEE AFTER DISCOUNT IS "<<After_discount;
    section="SUPER SECTION";
    cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
    Q:

        char choice;
        cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
        cin>>choice;
        if(choice=='b' || choice=='B'){
            Admission_Portal ap;
        }
        else{

```

```

        cout<<"\n\n\n\t\t\t\t !!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
        Sleep(1000);
        goto Q;
    }
}

else if (marks1 < 900 && marks1 >= 700) {
    cout << "\n\n\t\t\t\t\tYOU GOT SECONDARY SECTION";
    discount = 50;
    After_discount = total_fee - (total_fee * discount / 100);
    cout<<"\n\n\t\t\t\t\tYOU GOT '50'% DISCOUNT";
    cout<<"\n\n\t\t\t\t\tYOUR TOTAL FEE WAS "<<total_fee;
    cout<<"\n\n\t\t\t\t\tAFTER DISCOUNT YOUR FEE IS " << After_discount;
    section = "SECONDARY SECTION";
    cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
    R:
        char choice;
        cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
        cin>>choice;
        if(choice=='b' || choice=='B'){
            Admission_Portal ap;
        }
        else{
            cout<<"\n\n\n\t\t\t\t !!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto R;
        }
}

else if (marks1 < 700) {
    After_discount=170000;
    cout << "\n\n\t\t\t\t\tYOU DID NOT GET ANY SPECIAL SECTION";
    cout << "\n\n\t\t\t\t\tYOU DID NOT GET ANY DISCOUNT";
    cout << "\n\n\t\t\t\t\tYOUR TOTAL FEE IS: "<<After_discount;
    section = "NORMAL SECTION";
    cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
}

```

S:

```
char choice;

cout<<"\n\n\n\t\t\t\t PRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";

cin>>choice;

if(choice=='b' || choice=='B'){

    Admission_Portal ap;

}

else{

    cout<<"\n\n\n\t\t\t\t !!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";

    Sleep(1000);

    goto S;

}
```

}

```
fstream myfile;
```

```
myfile.open("StudentInfo.txt", ios::app);
```

```
myfile<<marks1<<endl;
```

```
myfile<<subject<<endl;
```

```
myfile<<After_discount<<endl;
```

```
myfile<<section<<endl<<endl;
```

```
myfile.close();
```

}

```
void Available_Courses::FScEngineering(){
```

```
system("cls");
```

[illegible]

```
cout<<"\n\t\t\t\t\tF.Sc PRE-ENGINEERING";
```

```
cout<<"\n\t\t\t*****";
```

```
cout<<"\n\n\t\t\t \3 \3 \3 HERE YOUR FEE AND SECTION WILL BE ANNOUNCED \3 \3 \3";
```

```
total_fee = 150000;
```

```
subject = "F.Sc PRE-ENGINEERING";
```

```
cout<<"\n\n\n\t\t\t\t AS YOU SELECTED THE F.Sc PRE-ENGINEERING COURSE";
```

```
cout<<"\n\n\t\t\t\t\tENTER YOUR MARKS OF MATRIC: ";
```

```
cin>>marks1;
```

```
if(marks1>=800 && marks1<900){
```

```
cout<<"\n\n\t\t\t\t\tYOU GOT MODEL SECTION";
```



```

discount = 65;
After_discount = total_fee - (total_fee * discount / 100);
cout << "\n\n\t\t\t\t\tYOU GOT '75'% DISCOUNT";
cout << "\n\n\t\t\t\t\tYOUR TOTAL FEE WAS "<<total_fee;
cout << "\n\n\t\t\t\t\tAFTER DISCOUNT YOUR FEE IS " << After_discount;
section = "MODEL SECTION";
cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
P:

    char choice;
    cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
    cin>>choice;
    if(choice=='b' || choice=='B'){
        Admission_Portal ap;
    }
    else{
        cout<<"\n\n\n\t\t\t\t\t!!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
        Sleep(1000);
        goto P;
    }
}

else if (marks1 <= 1100 && marks1 >= 900) {
    cout << "\n\n\t\t\t\t\tYOU GOT SUPER SECTION";
    discount = 85;
    After_discount = total_fee - (total_fee * discount / 100);
    cout << "\n\n\t\t\t\t\tYOU GOT '95'% DISCOUNT";
    cout << "\n\n\t\t\t\t\tYOUR TOTAL FEE WAS "<<total_fee;
    cout << "\n\n\t\t\t\t\tAFTER DISCOUNT YOUR FEE IS " << After_discount;
    section = "SUPER SECTION";
    cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
T:

    char choice;
    cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
    cin>>choice;
    if(choice=='b' || choice=='B'){

```

```

        Admission_Portal ap;
    }
    else{
        cout<<"\n\n\n\t\t\t\t !!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
        Sleep(1000);
        goto T;
    }
}

else if (marks1 < 900 && marks1 >= 700) {
    cout << "\n\n\t\t\t\t\tYOU GOT SECONDARY SECTION";
    discount = 50;
    After_discount = total_fee - (total_fee * discount / 100);
    cout << "\n\n\t\t\t\t\tYOU GOT '50'% DISCOUNT";
    cout << "\n\n\t\t\t\t\tYOUR TOTAL FEE WAS "<<total_fee;
    cout << "\n\n\t\t\t\t\tAFTER DISCOUNT YOUR FEE IS " << After_discount;
    section = "SECONDARY SECTION";
    cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
    U:
        char choice;
        cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
        cin>>choice;
        if(choice=='b' || choice=='B'){
            Admission_Portal ap;
        }
        else{
            cout<<"\n\n\n\t\t\t\t\t !!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto U;
        }
}

else if (marks1 < 700) {
    After_discount=150000;
    cout << "\n\n\t\t\t\t\tYOU DID NOT GET ANY SPECIAL SECTION";
    cout << "\n\n\t\t\t\t\tYOU DID NOT GET ANY DISCOUNT";
}

```

```
cout << "\n\n\t\t\t\tYOUR TOTAL FEE IS " << total_fee;  
section = "NORMAL SECTION";  
cout<<"\n\n\n\t\t\t\tYOUR DATA IS SAVED";  
V:  
  
    char choice;  
    cout<<"\n\n\n\t\t\t\t PRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";  
    cin>>choice;  
    if(choice=='b' || choice=='B'){  
        Admission_Portal ap;  
    }  
    else{  
        cout<<"\n\n\n\t\t\t\t !!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";  
        Sleep(1000);  
        goto V;  
    }  
}  
  
fstream myfile;  
myfile.open("StudentInfo.txt", ios::app);  
myfile<<marks1<<endl;  
myfile<<subject<<endl;  
myfile<<After_discount<<endl;  
myfile<<section<<endl<<endl;  
myfile.close();  
}  
  
void Available_Courses::ICS(){  
    system("cls");  
    cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";  
    cout<<"\n\t\t\t\t\t\t\t ICS";  
    cout<<"\n\t\t\t*****";  
    cout<<"\n\n\t\t\t \3 \3 \3 HERE YOUR FEE AND SECTION WILL BE ANNOUNCED \3 \3 \3";  
    total_fee = 130000;  
    subject = "ICS";  
    cout<<"\n\n\n\t\t\t\t\tAS YOU SELECTED THE ICS COURSE";  
    cout<<"\n\n\n\t\t\t\t\tENTER YOUR MARKS OF MATRIC: ";
```

```

cin>>marks1;
if(marks1>=800 && marks1<900){
    cout<<"\n\n\t\t\t\t\tYOU GOT MODEL SECTION"<< endl;
    discount = 75;
    After_discount = total_fee - (total_fee * discount / 100);
    cout << "\n\n\t\t\t\t\tYOU GOT '75'% DISCOUNT";
    cout << "\n\n\t\t\t\t\tYOUR TOTAL FEE WAS "<<total_fee;
    cout << "\n\n\t\t\t\t\tAFTER DISCOUNT YOUR FEE IS " << After_discount;
    section = "MODEL SECTION";
    cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
    P:
        char choice;
        cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
        cin>>choice;
        if(choice=='b' || choice=='B'){
            Admission_Portal ap;
        }
        else{
            cout<<"\n\n\n\t\t\t\t\t!!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto P;
        }
}
else if (marks1 <= 1100 && marks1 >= 900) {
    cout << "\n\n\t\t\t\t\tYOU GOT SUPER SECTION";
    discount = 95;
    After_discount = total_fee - (total_fee * discount / 100);
    cout << "\n\n\t\t\t\t\tYOU GOT '95'% DISCOUNT";
    cout << "\n\n\t\t\t\t\tYOUR TOTAL FEE WAS "<<total_fee;
    cout << "\n\n\t\t\t\t\tAFTER DISCOUNT YOUR FEE IS " << After_discount;
    section = "SUPER SECTION";
    cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
    W:
        char choice;

```

```

        cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
        cin>>choice;
        if(choice=='b' || choice=='B'){
            Admission_Portal ap;
        }
        else{
            cout<<"\n\n\n\t\t\t\t\t!!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto W;
        }
    }

else if (marks1 < 900 && marks1 >= 700) {
    cout << "\n\n\n\t\t\t\t\tYOU GOT SECONDARY SECTION";
    discount = 50;
    After_discount = total_fee - (total_fee * discount / 100);
    cout << "\n\n\n\t\t\t\t\tYOU GOT '50'% DISCOUNT";
    cout << "\n\n\n\t\t\t\t\tYOUR TOTAL FEE WAS "<<total_fee;
    cout << "\n\n\n\t\t\t\t\tAFTER DISCOUNT YOUR FEE IS " << After_discount;
    section = "SECONDARY SECTION";
    cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
X:
    char choice;
    cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
    cin>>choice;
    if(choice=='b' || choice=='B'){
        Admission_Portal ap;
    }
    else{
        cout<<"\n\n\n\t\t\t\t\t!!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
        Sleep(1000);
        goto X;
    }
}

else if (marks1 < 700){

```

[illegible]

```

subject = "I.Com";

cout<<"\n\n\n\t\t\t\t\tAS YOU SELECTED THE I.Com COURSE";

cout<<"\n\n\n\t\t\t\t\tENTER YOUR MARKS OF MATRIC: ";

cin>>marks1;

if(marks1>=800 && marks1<900){

    cout<<"\n\n\n\t\t\t\t\tYOU GOT MODEL SECTION";

    discount = 75;

    After_discount = total_fee - (total_fee * discount / 100);

    cout << "\n\n\n\t\t\t\t\tYOU GOT '75'% DISCOUNT";

    cout << "\n\n\n\t\t\t\t\tYOUR TOTAL FEE WAS "<<total_fee;

    cout << "\n\n\n\t\t\t\t\tAFTER DISCOUNT YOUR FEE IS " << After_discount;

    section = "MODEL SECTION";

    cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";

    P:

        char choice;

        cout<<"\n\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";

        cin>>choice;

        if(choice=='b' || choice=='B'){

            Admission_Portal ap;

        }

        else{

            cout<<"\n\n\n\n\t\t\t\t\t!!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";

            Sleep(1000);

            goto P;

        }

}

else if (marks1 <= 1100 && marks1 >= 900) {

    cout << "\n\n\n\t\t\t\t\tYOU GOT SUPER SECTION";

    discount = 95;

    After_discount = total_fee - (total_fee * discount / 100);

    cout << "\n\n\n\t\t\t\t\tYOU GOT '95'% DISCOUNT";

    cout << "\n\n\n\t\t\t\t\tYOUR TOTAL FEE WAS "<<total_fee;

    cout << "\n\n\n\t\t\t\t\tAFTER DISCOUNT YOUR FEE IS " << After_discount;

    section = "SUPER SECTION";
}

```

```

        cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
    Z:
        char choice;
        cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
        cin>>choice;
        if(choice=='b' || choice=='B'){
            Admission_Portal ap;
        }
        else{
            cout<<"\n\n\n\t\t\t\t\t!!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto Z;
        }
    }
else if (marks1 < 900 && marks1 >= 700) {
    cout << "\n\n\n\t\t\t\t\tYOU GOT SECONDARY SECTION";
    discount = 50;
    After_discount = total_fee - (total_fee * discount / 100);
    cout << "\n\n\n\t\t\t\t\tYOU GOT '50'% DISCOUNT";
    cout << "\n\n\n\t\t\t\t\tYOUR TOTAL FEE WAS "<<total_fee;
    cout << "\n\n\n\t\t\t\t\tAFTER DISCOUNT YOUR FEE IS " << After_discount;
    section = "SECONDARY SECTION";
    cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
    A:
        char choice;
        cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
        cin>>choice;
        if(choice=='b' || choice=='B'){
            Admission_Portal ap;
        }
        else{
            cout<<"\n\n\n\t\t\t\t\t!!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto A;
        }
    }
}

```



```

        }
    }
    else if (marks1 < 700){
        After_discount=110000;
        cout << "\n\n\t\t\t\t\tYOU DID NOT GET ANY SPECIAL SECTION";
        cout << "\n\n\t\t\t\t\tYOU DID NOT GET ANY DISCOUNT";
        cout << "\n\n\t\t\t\t\tYOUR TOTAL FEE IS " << total_fee;
        section = "NORMAL SECTION";
        cout<<"\n\n\n\t\t\t\t\tYOUR DATA IS SAVED";
        B:
            char choice;
            cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
            cin>>choice;
            if(choice=='b' || choice=='B'){
                Admission_Portal ap;
            }
            else{
                cout<<"\n\n\n\t\t\t\t\t!!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
                Sleep(1000);
                goto B;
            }
    }

    }

    fstream myfile;
    myfile.open("StudentInfo.txt", ios::app);
    myfile<<marks1<<endl;
    myfile<<subject<<endl;
    myfile<<After_discount<<endl;
    myfile<<section<<endl<<endl;
    myfile.close();
}

void Available_Courses::Course_Details(){
    int choice;
    system("cls");

```

```
cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
cout<<"\n\t\t\t\t\t\t\tCOURSE DETAILS";
cout<<"\n\t\t\t*****";
cout<<"\n\n\t\t\t\t \3 \3 \3 HERE ARE FOUR AVAILABLE COURSES \3 \3 \3";
cout<<"\n\n\t\t\t\t\t1. F.Sc PRE-MEDICAL";
cout<<"\n\n\t\t\t\t\t2. F.Sc PRE-ENGINEERING";
cout<<"\n\n\t\t\t\t\t3. ICS";
cout<<"\n\n\t\t\t\t\t4. I.COM";
cout<<"\n\n\t\t\t\t\t5. BACK TO STUDENT PORTAL\n";
L:

    cout<<"\n\n\t\t\t\t\t ENTER YOUR CHOICE FOR VIEWING COURSE DETAILS: ";
    cin>>choice;
    if(choice==1){
        system("cls");
        cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
        cout<<"\n\t\t\t\t\tF.Sc PRE-MEDICAL DETAILS";
        cout<<"\n\t\t\t*****";
        cout<<"\n\n\t\t\t \3 \3 \3 YOUR ARE VIEWING DETAILS OF F.Sc PRE-MEDICAL \3 \3 \3";
        cout<<"\n\n\n\t\t\t\t\tCOURSE CONTAINS SCIENCE SUBJECTS";
        cout<<"\n\n\t\t\t\t\tTOTAL SUBJECTS ARE '7'";
        cout<<"\n\n\t\t\t\t\tTOTAL FEE IS '170000'";
        cout<<"\n\n\t\t\t\t\tFEE SUBMISSION IN '4' INTALLMENTS";
A:
        char choice;
        cout<<"\n\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
        cin>>choice;
        if(choice=='b' || choice=='B'){
            Admission_Portal ap;
        }
        else{
            cout<<"\n\n\n\t\t\t\t !!! INCORRECT KEY PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto A;
        }
    }
```

```
else if(choice==2){
    system("cls");
    cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
    cout<<"\n\t\t\t\t\tF.Sc PRE-ENGINEERING DETAILS";
    cout<<"\n\t\t\t*****";
    cout<<"\n\n\t\t\t \3 \3 \3 YOUR ARE VIEWING DETAILS OF F.Sc PRE-ENGINEERING \3 \3 \3";
    cout<<"\n\n\n\t\t\t\t\tCOURSE CONTAINS SCIENCE SUBJECTS";
    cout<<"\n\n\t\t\t\t\tTOTAL SUBJECTS ARE '7'";
    cout<<"\n\n\t\t\t\t\tTOTAL FEE IS 150000";
    cout<<"\n\n\t\t\t\t\tFEE SUBMITION IN '4' INTALLMENTS";
    B:
        char choice;
        cout<<"\n\n\n\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
        cin>>choice;
        if(choice=='b' || choice=='B'){
            Admission_Portal ap;
        }
        else{
            cout<<"\n\n\n\t\t\t !!! INCORRECT KEY PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto B;
        }
}

else if(choice==3){
    system("cls");
    cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
    cout<<"\n\t\t\t\t\tICS DETAILS";
    cout<<"\n\t\t\t*****";
    cout<<"\n\n\t\t\t \3 \3 \3 YOUR ARE VIEWING DETAILS OF ICS \3 \3 \3";
    cout<<"\n\n\n\t\t\t\t\tCOURSE CONTAINS SCIENCE SUBJECTS";
    cout<<"\n\n\t\t\t\t\tTOTAL SUBJECTS ARE '7'";
    cout<<"\n\n\t\t\t\t\tTOTAL FEE IS '130000'";
    cout<<"\n\n\t\t\t\t\tFEE SUBMITION IN '4' INTALLMENTS";
    C:
        char choice;
```

[illegible]

[illegible]

p:

```
cout<<"\n\n\t\t\t\t\tENTER YOUR CHOICE: "; cin>>choice;
ofstream ofile;
ofile.open("Attendance.txt", ios::app);
if(choice==1){
    system("cls");
    cout<<"\n\t\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
    cout<<"\n\t\t\t\t\tMARKING ATTENDANCE";
    cout<<"\n\t\t\t\t*****";
    cout<<"\n\n\t\t\t\t \3 \3 \3 YOUR CLASS STRENGTH IS '10' \3 \3 \3";
    cout<<"\n\n\n\t\t\t\t\t ENTER TODAY'S DATE: "; cin>>date;
    ofile<<"\n"<<date<<endl;
    for(int i=0; i<10; i++){
        cout<<"\n\t\t\t\t\t ENTER THE ATTENDANCE OF ROLL NO. "<<i+1<<" ";
        cin>>attd;
        ofile<<"ROLL NO. "<<i+1<<" WAS "<<attd<<endl;
    }
    ofile<<endl; ofile.close();
T:
    char choice;
    cout<<"\n\n\t\t\t\t\t PRESS 'B' TO GO BACK TO ATTENDANCE PORTAL: ";
    cin>>choice;
    if(choice=='b' || choice=='B'){
        goto a;
    }
    else{
        cout<<"\n\n\n\t\t\t\t !!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
        Sleep(1000);
        goto T;
    }
}
else if(choice==2){
    system("cls");
    cout<<"\n\t\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
    cout<<"\n\t\t\t\t\tVIEWING ATTENDANCE";
```

```

cout<<"\n\t\t\t*****";
cout<<"\n\n\t\t\t3 3 3 YOU ARE VIEWING ATTENDANCE OF YOUR SELECTED DAY 3 3 3";
fstream ifile; string date;
ifile.open("Attendance.txt");
cout<<"\n\n\n\t\t\t\tENTER DATE TO VIEW ATTENDANCE: "; cin>>date;
string attd1, attd2, attd3, attd4, attd5, attd6;
string d, attd7, attd8, attd9, attd10, line="\n";
getline(ifile, line);
while(!ifile.eof()){
    getline(ifile, d);
    getline(ifile, attd1); getline(ifile, attd2);
    getline(ifile, attd3); getline(ifile, attd4);
    getline(ifile, attd5); getline(ifile, attd6);
    getline(ifile, attd7); getline(ifile, attd8);
    getline(ifile, attd9);getline(ifile, attd10);
    getline(ifile, line); getline(ifile, line);
    if(date==d){
        cout<<"\n\n\t\t\t\t\tON "<<d<<" ATTENDANCE WAS:";
        cout<<"\n\n\t\t\t\t\t "<<attd1; cout<<"\t"<<attd2;
        cout<<"\n\n\t\t\t\t\t "<<attd3;cout<<"\t"<<attd4;
        cout<<"\n\n\t\t\t\t\t "<<attd5; cout<<"\t"<<attd6;
        cout<<"\n\n\t\t\t\t\t "<<attd7; cout<<"\t"<<attd8;
        cout<<"\n\n\t\t\t\t\t "<<attd9; cout<<"\t"<<attd10;

    }
}
ifile.close();
G:
    char choice;
    cout<<"\n\n\t\t\t\t\tPRESS 'B' TO GO BACK TO ATTENDANCE PORTAL: ";
    cin>>choice;
    if(choice=='b' || choice=='B'){
        goto a;
    }
    else{
        cout<<"\n\n\n\t\t\t\t\t !!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";

```


[illegible]

[illegible]

[illegible]

```

        cout<<"\n\n\t\t\t\t PRESS 'B' TO GO BACK TO TEACHER PORTAL: ";
        cin>>choice;
        if(choice=='b' || choice=='B'){
            Teacher_Portal tp;
        }
        else{
            cout<<"\n\n\n\t\t\t\t !!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto t;
        }
    }
else if(choice=="5"){
    Quizzes_Lectures();
}
else{
    cout<<"\n\n\n\t\t\t\t!!! INCORRECT KEY PLEASE ENTER CORRECT KEY !!!";
    Sleep(1000);
    goto P;
}
}
else if(choice=="3"){
    Upload_Material um;
}
else{
    cout<<"\n\n\n\t\t\t\t!!! INCORRECT KEY PLEASE ENTER CORRECT KEY !!!";
    Sleep(1000);
    goto p;
}
}

/*-----CLASS ASKING LEAVE-----*/
/*-----HEADER FILE-----*/
#include<iostream>
#include<windows.h>
using namespace std;
```

```
class Asking_Leave{
    public:
        Asking_Leave();
};

/*-----CLASS ASKING LEAVE-----*/
/*-----CPP FILE-----*/

#include "Asking_Leave.h"
#include "Teacher_Portal.h"

Asking_Leave::Asking_Leave(){
    system("cls");
    string leaves, date, name;
    cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
    cout<<"\n\t\t\t\t\t\t\tASKING FOR LEAVE";
    cout<<"\n\t\t\t*****";
    cout<<"\n\n\t\t\t \3 \3 \3 LEAVE WILL BE GRANTED OR DENIED FROM HOD \3 \3 \3";
    cout<<"\n\n\n\t\t\t PLEASE ENTER YOUR NAME: "; cin.get(); getline(cin,name);
    cout<<"\n\t\t\t ENTER THE DATE ON WHICH YOU WANT LEAVE: "; cin>>date;
    cout<<"\n\t\t\t ENTER THE NUMBER OF PREVIOUS LEAVES DURING THIS MONTH: ";
    cin>>leaves;
    if(leaves>="4"){
        cout<<"\n\n\t\t\t\t\tPLEASE WAIT...\n\t\t\t\t\t";
        char y=219;
        for(int i=0; i<30; i++){
            cout<<y;
            Sleep(50);
        }
        cout<<"\n\n\n\t\t\t\tRESPECTED "<<name<<"!";
        cout<<"\n\n\t\t\t\tWE ARE SORRY TO SAY...";
        cout<<"\n\n\t\t\t\tYOUR REQUEST FOR LEAVE IS DENIED.";
        T:
        char choice;
        cout<<"\n\n\n\t\t\t\tPRESS 'B' TO GO BACK TO TEACHER PORTAL: ";
        cin>>choice;
```

```

        if(choice=='b' || choice=='B'){
            Teacher_Portal ap;
        }
        else{
            cout<<"\n\n\n\t\t\t\t\t !!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto T;
        }
    }
else{
    cout<<"\n\n\t\t\t\t\t\t\t\t\t PLEASE WAIT...\n\t\t\t\t\t\t\t\t\t";
    char y=219;
    for(int i=0; i<30; i++){
        cout<<y;
        Sleep(50);
    }
    cout<<"\n\n\n\t\t\t\t\t\t\t\t\t RESPECTED "<<name<<"!";
    cout<<"\n\n\t\t\t\t\t\t\t\t\t WE ARE HAPPY TO ANNOUNCE...";
    cout<<"\n\n\t\t\t\t\t\t\t\t\t YOUR REQUEST FOR LEAVE IS ACCEPTED.";
    f:

        char choice;
        cout<<"\n\n\n\t\t\t\t\t\t\t\t\t PRESS 'B' TO GO BACK TO TEACHER PORTAL: ";
        cin>>choice;
        if(choice=='b' || choice=='B'){
            Teacher_Portal ap;
        }
        else{
            cout<<"\n\n\n\t\t\t\t\t\t\t\t\t !!! INVALID CHOICE PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto f;
        }
    }
}
}

```

```

/*-----CLASS SEARCH DATA-----*/
/*-----HEADER FILE-----*/

#include<iostream>
#include<fstream>
#include<windows.h>

using namespace std;

class Search_Data{
    public:
        Search_Data();
};

/*-----CLASS SEARCH DATA-----*/
/*-----CPP FILE-----*/

#include "Search_Data.h"
#include "Admin_Portal.h"

Search_Data::Search_Data(){
    system("cls");
    cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
    cout<<"\n\t\t\t\t\tSEARCH YOUR DATA";
    cout<<"\n\t\t\t*****";
    cout<<"\n\n\t\t\t \3 \3 \3 HERE YOU CAN SEARCH ANY DATA \3 \3 \3\n";
    fstream data; string ID;
    cout<<"\n\n\n\t\t\tENTER CNIC(without dashes) OF STUDENT: "; cin>>ID;
    data.open("StudentInfo.txt");
    string id, n, g, e, p, m, s, d, z, line="\n";
    getline(data, line);
    while(!data.eof()){
        getline(data, n); getline(data, id); getline(data, g); getline(data, e);
        getline(data, p); getline(data, m); getline(data, s); getline(data, d);
        getline(data, z); getline(data, line); getline(data, line);
        if(id==ID){
            cout<<"\n\n\n\t\t\tSTUDENT NAME : "<n;
            cout<<"\n\n\t\t\tSTUDENT CNIC : "<id;
            cout<<"\n\n\t\t\tSTUDENT GENDER : "<g;

```

```

        cout<<"\n\n\t\t\t\tSTUDENT E-MAIL : "<<e;
        cout<<"\n\n\t\t\t\tSTUDENT PHONE : "<<p;
        cout<<"\n\n\t\t\t\tSTUDENT MARKS : "<<m;
        cout<<"\n\n\t\t\t\tSTUDENT SUBJECT : "<<s;
        cout<<"\n\n\t\t\t\tDISCOUNTED-FEE : "<<d;
        cout<<"\n\n\t\t\t\tSTUDENT SECTION : "<<z;
        cout<<"\n\n\t\t\t\t-----";
    }
}
data.close();
p:
    char choice;
    cout<<"\n\n\n\t\t\t\tPRESS 'B' TO GO BACK TO ADMISSION PORTAL: ";
    cin>>choice;
    if(choice=='B' || choice=='b'){
        Admin_Portal ap;
    }
    else{
        cout<<"\n\n\n\t\t\t\t!!! INCORRECT KEY PLEASE ENTER CORRECT KEY !!!";
        Sleep(1000);
        goto p;
    }
}

/*-----CLASS VIEW DATA-----*/
/*-----HEADER FILE-----*/
#include<iostream>
#include<fstream>
#include<windows.h>
#include<iomanip>
using namespace std;
class View_Data{
public:
    View_Data();

```



```
};
```

```
/*-----CLASS VIEW DATA-----*/  
/*-----CPP FILE-----*/  
  
#include "View_Data.h"  
#include "Admin_Portal.h"  
  
View_Data::View_Data(){  
    system("cls");  
    cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";  
    cout<<"\n\t\t\t\t\tVIEW YOUR DATA";  
    cout<<"\n\t\t\t*****";  
    cout<<"\n\n\t\t\t \3 \3 \3 YOU ARE VIEWING ALL SAVED DATA \3 \3 \3";  
    fstream file;  
    file.open("StudentInfo.txt");  
    string ID, N, G, E, P, M, S, D, Z, line="\n";  
    getline(file, line);  
    while (!file.eof()){  
        getline(file, N); getline(file, ID); getline(file, G); getline(file, E);  
        getline(file, P); getline(file, M); getline(file, S); getline(file, D);  
        getline(file, Z); getline(file, line); getline(file, line);  
        cout<<"\n\n\n\t\t\tSTUDENT NAME : "<N;  
        cout<<"\n\n\t\t\tSTUDENT CNIC : "<ID;  
        cout<<"\n\n\t\t\tSTUDENT GENDER : "<G;  
        cout<<"\n\n\t\t\tSTUDENT E-MAIL : "<E;  
        cout<<"\n\n\t\t\tSTUDENT PHONE : "<P;  
        cout<<"\n\n\t\t\tSTUDENT MARKS : "<M;  
        cout<<"\n\n\t\t\tSTUDENT SUBJECT : "<S;  
        cout<<"\n\n\t\t\tDISCOUNTED-FEE : "<D;  
        cout<<"\n\n\t\t\tSTUDENT SECTION : "<Z;  
        cout<<"\n\n\t\t\t-----";  
    }  
    file.close();  
P:  
  
char choice;
```

```

        cout<<"\n\n\n\t\t\t\t PRESS 'B' TO GO BACK TO ADMIN PORTAL: ";
        cin>>choice;
        if(choice=='b' || choice=='B'){
            Admin_Portal ap;
        }
        else {
            cout<<"\n\n\n\t\t\t\t!!! INCORRECT KEY PLEASE ENTER CORRECT KEY !!!";
            Sleep(1000);
            goto P;
        }
    }

/*-----CLASS MODIFY DATA-----*/
/*-----HEADER FILE-----*/
#include<iostream>
#include<fstream>
#include<windows.h>
using namespace std;
class Modify_Data{
public:
    Modify_Data();
};

/*-----CLASS MODIFY DATA-----*/
/*-----CPP FILE-----*/
#include "Modify_Data.h"
#include "Admin_Portal.h"
#include "Available_Courses.h"
Modify_Data::Modify_Data(){
    system("cls");
    cout<<"\n\t\t\t^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^";
    cout<<"\n\t\t\t\t\t\t\t\t\t\tMODIFY YOUR DATA";
    cout<<"\n\t\t\t\t*****";
    cout<<"\n\n\t\t\t\t \3 \3 \3 HERE YOU CAN MODIFY ANY DATA \3 \3 \3";
}

```

```
fstream d1,e1;

d1.open("StudentInfo.txt", ios::in);
e1.open("update.txt", ios::out);

bool check=false; string ID;

cout<<"\n\n\n\t\t\t\t\t ENTER CNIC(without dashes) OF STUDENT: "; cin>>ID;

string id, n, g, e, p, m, s, d, z, line="\n";

getline(d1, line);

while(!d1.eof()){

    getline(d1, n); getline(d1, id); getline(d1, g); getline(d1, e);
    getline(d1, p); getline(d1, m); getline(d1, s); getline(d1, d);
    getline(d1, z); getline(d1, line); getline(d1, line);

    if(id==ID){

        cout<<"\n\n\t\t\t\t\tENTER NEW DETAILS :-";
        cout<<"\n\n\t\t\t\t\tENTER STUDENT NAME: "; cin.get(); getline(cin, n);
        cout<<"\n\t\t\t\t\t\t\tENTR STUDENT CNIC(without dashes): "; cin>>id;
        cout<<"\n\t\t\t\t\t\t\tENTER STUDENT GENDER: "; cin>>g;
        cout<<"\n\t\t\t\t\t\t\tENTER STUDENT E-MAIL: "; cin>>e;
        cout<<"\n\t\t\t\t\t\t\tENTER STUDENT MOBILE: "; cin>>p;

        e1<<line<<endl; e1<<n<<endl; e1<<id<<endl; e1<<g<<endl;
        e1<<e<<endl; e1<<p<<endl; e1<<m<<endl; e1<<s<<endl;
        e1<<d<<endl; e1<<z<<endl; e1<<line<<endl; e1<<line;

        cout<<"\n\n\n\t\t\t\t\t \3 \3 STUDENT MODIFIED SUCCESSFULLY \3 \3";
        check=true;

    }

    else{

        e1<<line<<endl; e1<<n<<endl; e1<<id<<endl; e1<<g<<endl;
        e1<<e<<endl; e1<<p<<endl; e1<<m<<endl; e1<<s<<endl;
        e1<<d<<endl; e1<<z<<endl; e1<<line<<endl; e1<<line;

    }

}

if(check==false){

    cout<<"\n\n\n\t\t\t\t\t\t\t!!! STUDENT NOT FOUND !!!";

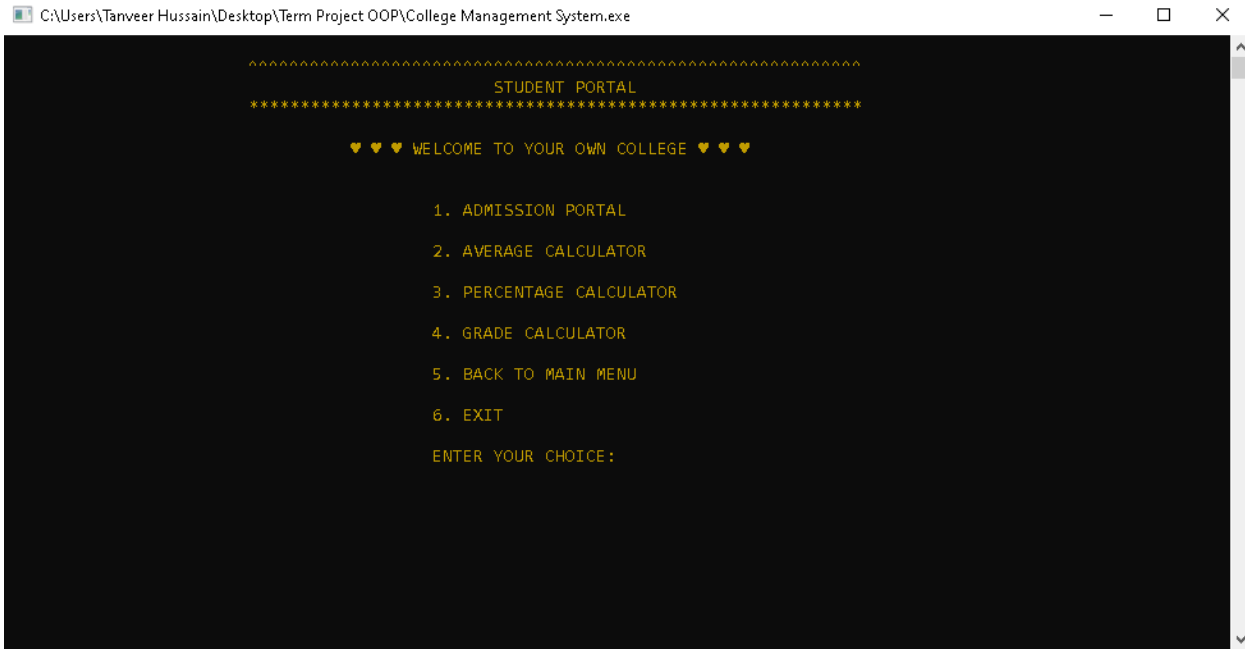
}

e1.close(); d1.close();
```

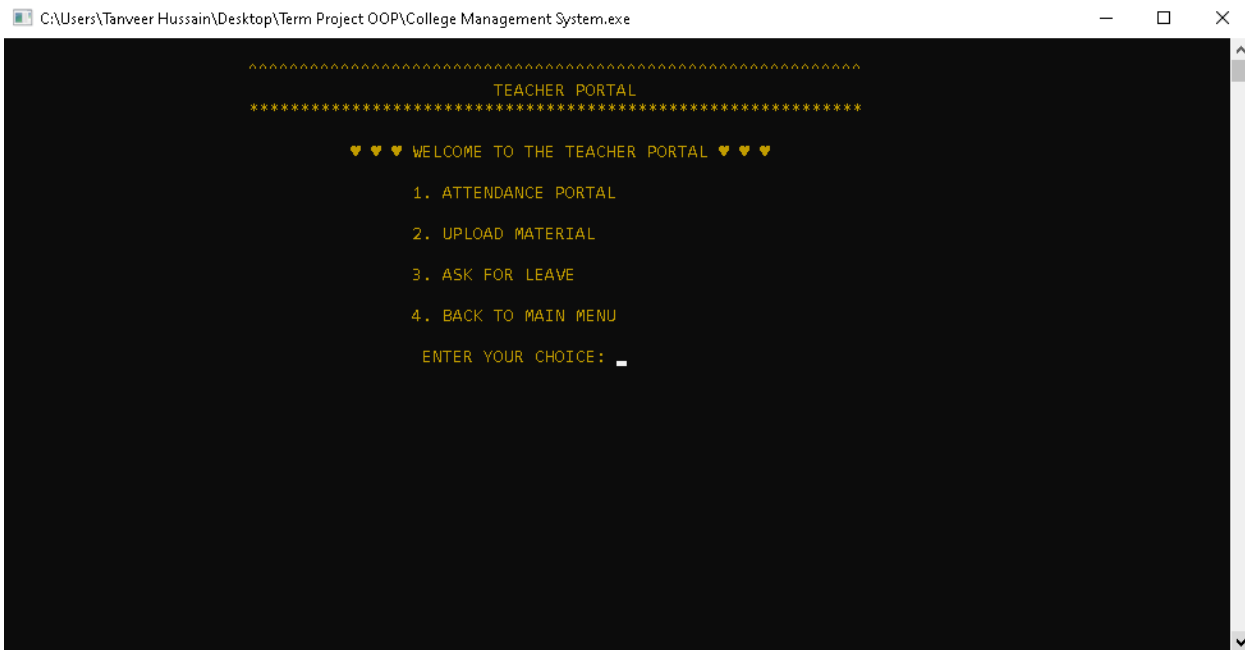
[illegible]

```
cout<<"\n\t\t\t\t\t\t\tDELETE YOUR DATA";
cout<<"\n\t\t\t\t\t*****";
cout<<"\n\n\t\t\t\t\t \3 \3 \3 HERE YOU CAN DELETE ANY DATA \3 \3 \3";
fstream d2, e2; string ID;
cout<<"\n\n\n\t\t\t\t\t ENTER CNIC(without dashes) OF STUDENT: "; cin>>ID;
d2.open("StudentInfo.txt", ios::in);
e2.open("delete.txt", ios::out);
string id, n, g, e, p, m, s, d, z, line="\n";
getline(d2, line);
while(!d2.eof()){
    getline(d2, n); getline(d2, id); getline(d2, g); getline(d2, e);
    getline(d2, p); getline(d2, m); getline(d2, s); getline(d2, d);
    getline(d2, z); getline(d2, line); getline(d2, line);
    if(id!=ID){
        e2<<line<<endl; e2<<n<<endl; e2<<id<<endl; e2<<g<<endl;
        e2<<e<<endl; e2<<p<<endl; e2<<m<<endl; e2<<s<<endl;
        e2<<d<<endl; e2<<z<<endl; e2<<line<<endl; e2<<line;
    }
}
if(id==ID){
    cout<<"\n\n\n\t\t\t\t\t \3 \3 STUDENT DELETED SUCCESSFULLY \3 \3";
}
else{
    cout<<"\n\n\n\t\t\t\t\t\t\t!!! STUDENT NOT FOUND !!!";
}
e2.close(); d2.close();
remove("StudentInfo.txt");
rename("delete.txt", "StudentInfo.txt");
p:
char choice;
cout<<"\n\n\n\t\t\t\t\t PRESS 'B' TO GO BACK TO ADMIN PORTAL: ";
cin>>choice;
if(choice=='B' || choice=='b'){
    Admin Portal ap;
```


Student Portal:



Teacher Portal:



Admin Portal:

```
C:\Users\tanveer hussain\Desktop\Term Project OOP\College Management System.exe

#####
ADMIN PORTAL
#####

♥♥♥ WELCOME TO THE ADMIN PORTAL ♥♥♥

1. SEARCH STUDENT DATA
2. VIEW STUDENT DATA
3. MODIFY STUDENT DATA
4. DELETE STUDENT DATA
5. BACK TO MAIN MENU

ENTER YOUR CHOICE:
```

View Attendance:

```
C:\Users\tanveer hussain\Desktop\Term Project OOP\College Management System.exe

#####
VIEWING ATTENDANCE
#####

♥♥♥ YOU ARE VIEWING ATTENDANCE OF YOUR SELECTED DAY ♥♥♥

ENTER DATE TO VIEW ATTENDANCE: 01/01/2023

ON 01/01/2023 ATTENDANCE WAS:

ROLL NO. 1 WAS P    ROLL NO. 2 WAS P
ROLL NO. 3 WAS P    ROLL NO. 4 WAS A
ROLL NO. 5 WAS P    ROLL NO. 6 WAS P
ROLL NO. 7 WAS A    ROLL NO. 8 WAS P
ROLL NO. 9 WAS P    ROLL NO. 10 WAS P

PRESS 'B' TO GO BACK TO ATTENDANCE PORTAL:
```


Upload Material:

```
C:\Users\tanveer hussain\Desktop\Term Project OOP\College Management System.exe

*****
                        QUIZZES LIST
*****

♥ ♥ ♥ AVAILABLE MATERIAL ♥ ♥ ♥

1. UPLOAD QUIZ '1'
2. UPLOAD QUIZ '2'
3. UPLOAD QUIZ '3'
4. UPLOAD QUIZ '4'
5. BACK TO AVAILABLE MATERIAL

ENTER YOUR CHOICE: 3

                        PLEASE WAIT...

                        QUIZ UPLOADED SUCCESSFULLY

PRESS 'B' TO GO BACK TO TEACHER PORTAL:
```

View Data:

```
C:\Users\tanveer hussain\Desktop\College Management System.exe

*****
                        VIEW YOUR DATA
*****

♥ ♥ ♥ YOU ARE VIEWING ALL SAVED DATA ♥ ♥ ♥

STUDENT NAME : ALI RAZA
STUDENT CNIC : 3520212345678
STUDENT GENDER : MALE
STUDENT E-MAIL : ALI@gmail.com
STUDENT PHONE : 03011234567
STUDENT MARKS : 1058
STUDENT SUBJECT : F.Sc PRE-MEDICAL
DISCOUNTED-FEE : 20400
STUDENT SECTION : SUPER SECTION

-----

STUDENT NAME : FATIMA
```

Search Data:

C:\Users\tanveer Hussain\Desktop\College Management System.exe

— □ ×

```

                SEARCH YOUR DATA
*****

```

♥♥♥ HERE YOU CAN SEARCH ANY DATA ♥♥♥

ENTER CNIC(without dashes) OF STUDENT: 3520312345678

STUDENT NAME : FATIMA

STUDENT CNIC : 3520312345678

STUDENT GENDER : FEMALE

STUDENT E-MAIL : FATIMA@gmail.com

STUDENT PHONE : 03021234567

STUDENT MARKS : 1020

STUDENT SUBJECT : ICS

DISCOUNTED-FEE : 6500

STUDENT SECTION : SUPER SECTION