Md Anayet Ullah

C223133

2DM

Assignment 2

Problem :1

```cpp
#include<iostream>

#include<conio.h>

using namespace std;

class Student

{

public:


   string id,name,semester,section,department,university;

};

int main()

{

   Student Anayet;

   Anayet.name="Anayet Ullah";

   Anayet.id="C223133";

   Anayet.semester="Second";

   Anayet.section="2DM";

   Anayet.department="Computer Science And Engineering";

   Anayet.university="International Islamic University  Chittagong";

   cout<<Anayet.name<<endl;

   cout<<Anayet.id<<endl;

   cout<<Anayet.semester<<endl;

   cout<<Anayet.section<<endl;

   cout<<Anayet.department<<endl;

   cout<<Anayet.university<<endl;
```

```cpp
 getch();

}



Problem: 2

#include<iostream>

using namespace std;

class Student

{

public:

    string id,name,sec,sem,dep,uni;

    void TakeStudentDetails()

    {

        getline(cin,name);

        getline(cin,id);

        getline(cin,sec);

        getline(cin,sem);

        getline(cin,dep);

        getline(cin,uni);


    }

    void PrintStudentDetails()

    {

            cout<<"Enter your name:"<<endl;

        getline(cin,name);

        cout<<"Enter your id:"<<endl;

        getline(cin,id);

        cout<<"Enter your section:"<<endl;

        getline(cin,sec);
```

```cpp
        cout<<"Enter your semester:"<<endl;

        getline(cin,sem);

        cout<<"Enter your department:"<<endl;

        getline(cin,dep);

        cout<<"Enter your University:"<<endl;

        getline(cin,uni);

    }

};

int main()

{

    Student Anayet;

    Anayet.TakeStudentDetails();

    Anayet.PrintStudentDetails();

    return 0;

}
```

Problem:3

```cpp
#include<iostream>

using namespace std;

class Student

{

public:

    string id,name,sec,sem,dep,uni;

    void TakeStudentDetails()

    {

        cout<<"Enter your name:"<<endl;

        getline(cin>>ws,name);

        cout<<"Enter your id:"<<endl;

        getline(cin,id);
```

```cpp
        cout<<"Enter your section:"<<endl;

        getline(cin,sec);

        cout<<"Enter your semester:"<<endl;

        getline(cin,sem);

        cout<<"Enter your department:"<<endl;

        getline(cin,dep);

        cout<<"Enter your University:"<<endl;

        getline(cin,uni);


    }
    void PrintStudentDetails()
    {


        cout<<"Name: "<<name<<endl;

        cout<<"ID: "<<id<<endl;

        cout<<"Section: "<<sec<<endl;

        cout<<"Semester: "<<sem<<endl;

        cout<<"Department: "<<dep<<endl;

        cout<<"University: "<<uni<<endl;

    }
};
int main()
{
    Student Anayet;
    int n,i;
    cout<<"How many students information do you entry?"<<endl;
    cin>>n;
    for(i=1; i<=n; i++)
    {
```

```cpp
        Anayet.TakeStudentDetails();

        Anayet.PrintStudentDetails();


    }
    return 0;
}


Problem:4
#include<iostream>
using namespace std;
class Company
{
    public:
    string name,add;
    int reg_id,total_Staff,salary[10];
    void InputCompanyDetails()
    {
        int i;
        cout<<"Enter Name:"<<endl;
        getline(cin,name);
        cout<<"Enter Address:"<<endl;
        getline(cin,add);
        cout<<"Enter Registration id:"<<endl;
        cin>>reg_id;
        cout<<"Enter Total Staff:"<<endl;
        cin>>total_Staff;
        cout<<"Enter 5 Person Salary:"<<endl;
        for(i=0;i<5;i++)
        {
```

```cpp
            cin>>salary[i];


        }


    }
    void ShowComapnyDetails()
    {
        int i;
        cout<<"Name:";
        cout<<name<<endl;
         cout<<"Address:";
        cout<<add<<endl;
         cout<<"Regestration ID:";
        cout<<reg_id<<endl;
         cout<<"Total Staff:";
        cout<<total_Staff<<endl;
         cout<<"Salary:";
        for(i=0;i<5;i++)
        {
            cout<<salary[i]<<" ";
        }
    }
};
int main()
{
    Company IIUC;
    IIUC.InputCompanyDetails();
    IIUC.ShowComapnyDetails();
    return 0;}
```

Problem:5

```cpp
#include<iostream>

using namespace std;

int i;

class Company

{

public:

   string name,add;

   int reg_id,total_Staff,salary[10];

   void InputCompanyDetails()

   {


      cout<<"Enter Name:"<<endl;

      getline(cin>>ws,name);

      cout<<"Enter Address:"<<endl;

      getline(cin,add);

      cout<<"Enter Registration id:"<<endl;

      cin>>reg_id;

      cout<<"Enter Total Staff:"<<endl;

      cin>>total_Staff;

      cout<<"Enter 5 Person Salary:"<<endl;

      for(i=0; i<5; i++)

      {

         cin>>salary[i];

      }

   }

   void ShowComapnyDetails()

   {
```

```cpp
        cout<<"Name:";

        cout<<name<<endl;

        cout<<"Address:";

        cout<<add<<endl;

        cout<<"Regestration ID:";

        cout<<reg_id<<endl;

        cout<<"Total Staff:";

        cout<<total_Staff<<endl;

        cout<<"Salary:";

        for(i=0; i<5; i++)

        {

            cout<<salary[i]<<" ";

        }

        cout<<endl;

    }

};

int main()

{

    Company IIUC;

    int n,j;

    cout<<"How many members information do you entry?"<<endl;

    cin>>n;

    for(j=1; j<=n; j++)

    {

        IIUC.InputCompanyDetails();

        IIUC.ShowComapnyDetails();

    }


    return 0;}
```