Lab 3.2

#include <bits/stdc++.h>

//parameterized constructors

using namespace std;

class Student{

string name;

int age;

float cgpa;

public :

Student();

Student(string,int,float);

void display();

void getinfo();

};

Student::Student(){

name = "";

age = 0;

cgpa = 0;

}

Student::Student(string n,int a = 0,float f = 0){

name = n;

age = a;

cgpa = f;

}

void Student::display(){

cout<<"Student Details\n";

cout<<"Name : "<<name<<"\n";

cout<<"Age : "<<age<<"\n";

cout<<"cgpa : "<<cgpa<<"\n";

}

void Student::getinfo(){

cout<<"Enter Student Details\n";

cout<<"Name : "<<"\n";

getline(cin, name);

cout<<"Age : "<<"\n";

cin>>age;

cout<<"cgpa : "<<"\n";

cin>>cgpa;

}

int main(){

Student X;

X.getinfo(); //calling member function

Student Y("Joshua Higgs", 19, 9.99); //parameterized constructor

X.display();

Y.display();

return 0;

}

