5. Make a class Student with the data members String Name, int ID\_No, double GPA, int semesters. All data members should be kept private. The system should be able to create an instance of student even when the user has NO or limited record information of a student. There should be ONE constructor only. The class should also have functdisplaying the Students altering altering the number of semesters.

Program#5…

#include<iostream>

#include <stdlib.h>

#include<string.h>

using namespace std;

class Student//class student

{

private:

char Name[50];

int ID\_No;

double GPA;

int semesters;

public:

Student():ID\_No(0)//constructor

{}

void get()//input function

{

cout<<"Enter Student Name:";

cin.get(Name,50);

cout<<"Enter the ID Number:";

cin>>ID\_No;

cout<<"Enter the GPA:";

cin>>GPA;

cout<<"Enter Semester Number:";

cin>>semesters;

}

void Show()//display function

{

system("cls");

system("color a0");

strupr(Name);//for uppercase of name

cout<<"\nStudent ID# "<<ID\_No<<":"<<Name<<".His Grade Point Average till "<<semesters<<" is "<<GPA<<"."<<endl;}

}; //end class student

int main()

{

system("color b0");

Student re;//object re of student class

re.get();//get input from user

re.Show();//show output

system("pause");

return 0;

}