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LAB_ANP_C6339_CLASSES_ StudenID:AF0339439

Assignment 1:

Define a student class with following data members Idno, name, course and average Add methods to read and display the student data.

Program:

```
package Studentdetails;
  import java.util.Scanner;
          public class Student {

           // data members
                int id_no;
                String name, course;
                float avg_marks;

                //function or method
  public void readdata() // read program
{

Scanner obj = new Scanner(System.in)//Scanner class for input
                        {
System.out.println("Enter id_no ");

id_no=obj.nextInt();
System.out.println("Enter Name of the student ");

name=obj.next();

System.out.println("Enter Course name ");

course=obj.next();

System.out.println("Enter average marks ");

avg_marks=obj.nextFloat();
}



                }

                public void showdata() // show program

                {

                      System.out.println("IDNO : "+ id_no);

                      System.out.println("Name : "+ name);

                      System.out.println("Course : "+ course);

                      System.out.println("Average :"+ avg_marks);
```

```
                if(avg_marks>=75) // if condition
                    System.out.println("Grade : A+");
                else
                    System.out.println("Grade : B");
            }
        }
```

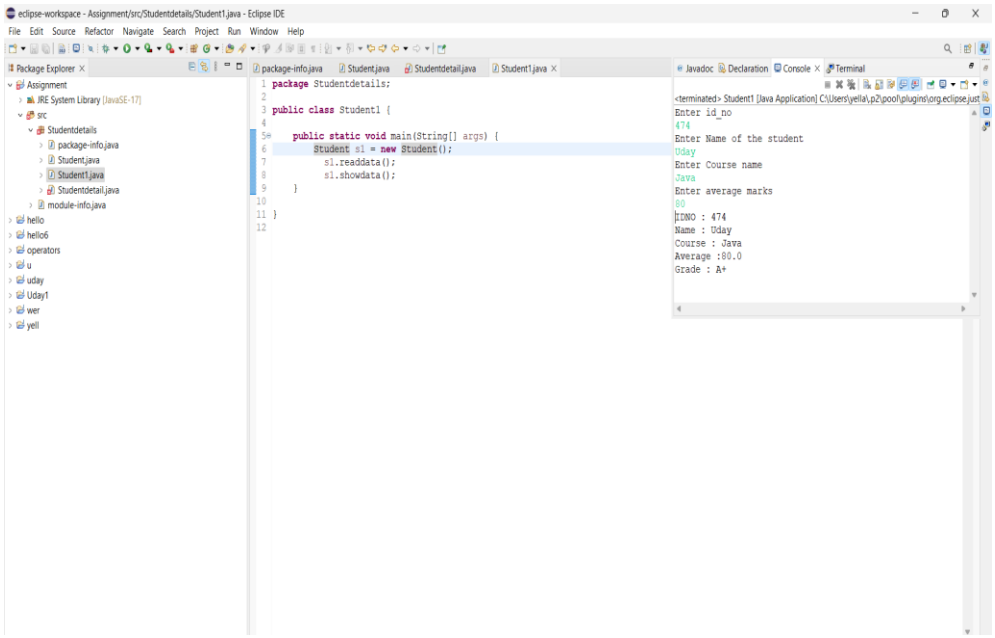
```
package Studentdetails;

public class Student1 {

        public static void main(String[] args) {
                Student s1 = new Student();
                 s1.readdata();
                 s1.showdata();
        }

}
```

Output:



Assignment2 :Write a Java program named Car● The Car class should have the following attributes: make (String), model (String) , year (short) , and price(int) . ● The car class should have a constructor that takes all the attributes. ● Add a main method to instantiate car objects ● The program should allow the user to create and display objects of each

Program:

```
package carprogram;
public class Car
{
       //data members
       String modal,make;
     int price;
     short year;

    public Car(String modal, String make,int price,short year)
    {
         this.modal=modal;
         this.make=make;
         this.price=price;
         this.year=year;

    }

     public void showdata() // show program

     {

              System.out.println(" Car modal : "+modal );

              System.out.println("Car make : "+ make);

              System.out.println("Car Price : "+ price);

              System.out.println("Year :"+ year);

     }

       public static void main(String[] args)
       {

      Car s = new Car("f20","swift",600000,(short)2022);
      s.showdata();
       }

}
```

output: