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public class Student {

    private String name;
    private String Id;
    private int totalMarks;

    public Student()
    {
        name = " ";
        Id = " ";
        totalMarks= 0;
    }

    public Student(String nn, String ii, int tt)
    {
        name = nn;
        Id = ii;
        totalMarks= tt;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getId() {
        return Id;
    }

    public void setId(String id) {
        Id = id;
    }

    public int getTotalMarks() {
        return totalMarks;
    }

    public void setTotalMarks(int totalMarks) {
        this.totalMarks = totalMarks;
    }
}
```

```

    public void display()
    {
        System.out.println("The name is : " + name);
        System.out.println("The Id is : " + Id);
        System.out.println("The total Marks is : " + totalMarks);
    }

    public String toString()
    {
        return ("The name is : " + name + "\nThe Id is : " + Id +
"\nThe total Marks is : " + totalMarks);
    }
}

```

```

public class undergradSt extends Student{

    private boolean coop;

    public undergradSt()
    {
        super();
        coop = false;
    }

    public undergradSt(String nn, String ii, int tt, boolean cc)
    {
        super(nn,ii,tt);
        coop = cc;
    }

    public boolean isCoop() {
        return coop;
    }

    public void setCoop(boolean coop) {
        this.coop = coop;
    }

    public void display()
    {
        super.display();
        System.out.println("The coop is: " + coop);
    }
}

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    public String toString()
    {
        return(super.toString() + "\n the Coop is : " + coop);
    }

    public void computeGrade()
    {
        if(getTotalMarks() >= 60)
            System.out.println("Pass");
        else
            System.out.println("Fail");
    }
}

public class Test_Student {

    public static void main(String[] args) {

        undergradSt us1 = new undergradSt();
        us1.display();

        us1.setName("Bader");
        us1.setId("1111");
        us1.setTotalMarks(85);
        us1.setCoop(false);

        System.out.println("=====");

        System.out.println(us1);
        us1.computeGrade();

        System.out.println("=====");

        undergradSt us2 = new undergradSt("Noor", "2222", 35, true);

        us2.display();
        us2.computeGrade();

    }
}

```