

## Single inheritance

Write a Java program to implement Single Inheritance.

**[Note: Strictly adhere to the object oriented specifications given as a part of the problem statement. Use the same class names and member variable names.]**

**Follow the naming conventions mentioned for getters/setters]**

Consider a class named **Person** with the following private data members.

Data Type	Data Member
String	name
String	dateOfBirth
String	gender
String	mobileNumber
String	bloodGroup

Include appropriate getters and setters.

Consider a class named **Donor** which extends **Person** class with the following private data members.

Data Type	Data Member
String	bloodBankName
String	donorType
String	donationDate

Include appropriate getters and setters.

The class **Donor** should have the following method

Method	Description
public void displayDonationDetails( )	This method displays the donation details. Display the statement 'Donation Details : ' inside this method

Consider another class **Main** and write the main method to test the above class.

In the main( ) method, read the person and donor details from the user and call the displayDonationDetails( ) method.

[**Note:** The date format should be “**dd-MM-yyyy**”]

### **Input and Output Format:**

Refer sample input and output for formatting specifications.

**All text in bold corresponds to input and the rest corresponds to output.**

### **Sample Input and Output 1:**

Enter the name :

**Justin**

Enter Date of Birth :

**11-01-1995**

Enter Gender :

**Male**

Enter Mobile Number :

**9994910354**

Enter Blood Group :

**B+ve**

Enter Blood Bank Name :

**Blood Assurance**

Enter Donor Type :

**Whole Blood**

Enter Donation Date :

**09-07-2017**

Donation Details :

Name : Justin

Date Of Birth : 11-01-1995

Gender : Male

Mobile Number : 9994910354

Blood Group : B+ve

Blood Bank Name : Blood Assurance

Donor Type : Whole Blood

Donation Date : 09-07-2017

### **Sample Input and Output 2:**

Enter the name :

**Steffie**

Enter Date of Birth :

**12-01-1996**

Enter Gender :

**Female**

Enter Mobile Number :

**8868875432**

Enter Blood Group :

**O+ve**

Enter Blood Bank Name :

**Edward Blood Bank**

Enter Donor Type :

**Whole Blood**

Enter Donation Date :

**21-12-2016**

Donation Details :

Name : Steffie

Date Of Birth : 12-01-1996

Gender : Female

Mobile Number : 8868875432

Blood Group : O+ve

Blood Bank Name : Edward Blood Bank

Donor Type : Whole Blood

Donation Date : 21-12-2016

**Output:**

```
Enter the name :  
Justin  
Enter Date of Birth :  
11-01-1995  
Enter Gender :  
Male  
Enter Mobile Number :  
9994910354  
Enter Blood Group :  
B+ve  
Enter Blood Bank Name :  
Blood Assurance  
Enter Donor Type :  
Whole Blood  
Enter Donation Date :  
09-07-2017  
Donation Details :  
Name : Justin  
Date Of Birth : 11-01-1995  
Gender : Male  
Mobile Number : 9994910354  
Blood Group : B+ve  
Blood Bank Name : Blood Assurance  
Donor Type : Whole Blood  
Donation Date : 09-07-2017
```

```
Enter the name :  
Steffie  
Enter Date of Birth :  
12-01-1996  
Enter Gender :  
Female  
Enter Mobile Number :  
8868875432  
Enter Blood Group :  
O+ve  
Enter Blood Bank Name :  
Edward Blood Bank  
Enter Donor Type :  
Whole Blood  
Enter Donation Date :  
21-12-2016  
Donation Details :  
Name : Steffie  
Date Of Birth : 12-01-1996  
Gender : Female  
Mobile Number : 8868875432  
Blood Group : O+ve  
Blood Bank Name : Edward Blood Bank  
Donor Type : Whole Blood  
Donation Date : 21-12-2016
```