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JAVA CASE STUDY

Person.java:

```
package casestudy;
```

```
public class Person {  
    private String name;  
    private String dateOfBirth;  
    private String gender;  
    private String mobileNumber;  
    private String bloodGroup;  
  
    public String getName() {  
        return name;  
    }  
  
    public void setName(String name) {  
        this.name = name;  
    }  
  
    public String getDateOfBirth() {  
        return dateOfBirth;  
    }  
  
    public void setDateOfBirth(String dateOfBirth) {  
        this.dateOfBirth = dateOfBirth;  
    }  
    public String getGender() {  
        return gender;  
    }  
  
    public void setGender(String gender) {  
        this.gender = gender;  
    }  
  
    public String getMobileNumber() {
```

```

        return mobileNumber;
    }

    public void setMobileNumber(String mobileNumber) {
        this.mobileNumber = mobileNumber;
    }

    public String getBloodGroup() {
        return bloodGroup;
    }

    public void setBloodGroup(String bloodGroup) {
        this.bloodGroup = bloodGroup;
    }
}

```

Donor.java

```
package casestudy;
```

```

public class Donor extends Person {
    private String bloodBankName;
    private String donorType;
    private String donationDate;

    public String getBloodBankName() {
        return bloodBankName;
    }
    public void setBloodBankName(String bloodBankName) {
        this.bloodBankName = bloodBankName;
    }

    public String getDonorType() {
        return donorType;
    }
}

```

```
public void setDonorType(String donorType) {  
    this.donorType = donorType;  
}
```

```
public String getDonationDate() {  
    return donationDate;  
}
```

```
public void setDonationDate(String donationDate) {  
    this.donationDate = donationDate;  
}
```

```
public void displayDonationDetails(String name,String dob,String gen,String  
num,String blood_group,String blood_bank_name,String Donor_Type,String Donation_Date  
) {
```

```
    Donor d = new Donor();
```

```
    d.setName(name);  
    d.setDateOfBirth(dob);  
    d.setGender(gen);  
    d.setMobileNumber(num);  
    d.setBloodGroup(blood_group);  
    d.setBloodBankName(blood_bank_name);  
    d.setDonorType(Donor_Type);  
    d.setDonationDate(Donation_Date);
```

```
    System.out.println("Donation Details :");  
    System.out.println("Name : "+ d.getName());  
    System.out.println("Date Of Birth : "+ d.getDateOfBirth());  
    System.out.println("Gender : "+ d.getGender());  
    System.out.println("Mobile Number : "+  
d.getMobileNumber()); System.out.println("Blood Group : "+
```

```

        d.getBloodGroup());
        System.out.println("Blood Bank Name : "+
        d.getBloodBankName()); System.out.println("Donor Type : "+
        d.getDonorType());
        System.out.println("Donation Date : "+ d.getDonationDate());
    }
}

```

Main.java

```

package casestudy;
import java.util.Scanner;
public class CaseStudy_MainClass {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the name :");
        String name = sc.nextLine();

        System.out.println("Enter Date of Birth :");
        String dateofbirth = sc.nextLine();

        System.out.println("Enter Gender :");
        String gender = sc.nextLine();

        System.out.println("Enter Mobile Number :");
        String number = sc.nextLine();

        System.out.println("Enter Blood Group :");
        String bloodgroup = sc.nextLine();
        System.out.println("Enter Blood Bank Name :");

        String bloodbankname = sc.nextLine();

        System.out.println("Enter Donor Type :");
        String DonorType = sc.nextLine();

        System.out.println("Enter Donation Date");
        String DonationDate = sc.nextLine();
    }
}

```

```

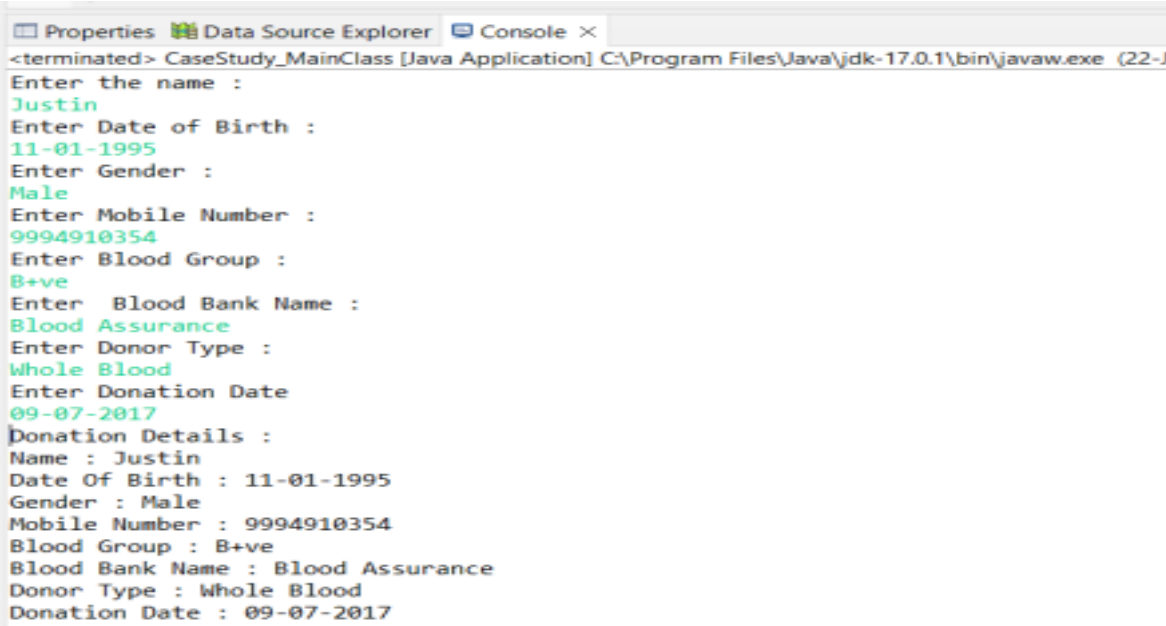
        Donor d = new Donor();

        d.displayDonationDetails(name,dateofbirth,gender,number,bloodgroup,bloodbankname,DonorType,DonationDate);
    }

}

```

OUTPUT:



```

Properties  Data Source Explorer  Console x
<terminated> CaseStudy_MainClass [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (22-J
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

```

Properties Data Source Explorer Console X

<terminated> CaseStudy_MainClass [Java Application] C:\Program Files\Java\jdk-17.0.1\bin

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