AMARAVATI

**School of Computer Science and Engineering**
**CSE1004 – Problem Solving Using Java**
**Digital Assignment**

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| **Team Number / Title** | #15-*Blood bank Management System* | | |
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# 1. Project Objectives:

The project is programmed in order to help the humans or patients who are seeking blood at a particular location. This .Net project is designed in such a way that it keeps detailed information as well as separate information of all the locations where the blood is available and what kind of blood is available and in how much quantity.

The system does not store blood but it stores the information about the blood or more precisely we can say it store the information or database of the blood available in the particular location. Because there was a time when some needs bloods in urgent, then this software proved to be his best friend and help the person finding the place nearby him very quickly.

The system is basically an E-information system for getting the database for the blood availability in any particular arena.

# 2.Project Modules:

The following integrated software had the given modules:

1. Administrators: They have the right to add all the details to the system such as blood groups availability, the quantity in which they are available,

locations nearby and country and every details including the phone number of the location office as well.

2. Donor: Donor is the one who donates the blood. The information of all the donors is being maintained. So that in case of emergency when the blood is not available then asking directly to the donor to provide hid blood will help the people a lot.
3. Organization: All the organizations along with the place in which they are located can be added into this module.
4. Customers: The one who needs blood can give their telephone and can take the blood by showing the reports to them. Reports must consist the information about urgency of needing the blood by the person.
5. Reports: The reports that are generated after issuing the amount of blood to the patient or the person who wants it, a report is generated showing that how much blood is being given and to whom it is given and details about the person.

## 2. Coding:

```
                    import java.util.*;
public class Main
  {
     public static void main(String args[])
     {
        Scanner sc=new Scanner(System.in);

        System.out.println("select if u r donar or recirver");
        System.out.println("Option 1 is Donar");
        System.out.println("Option 2 is Reciver");
        int sel=sc.nextInt();
        switch(sel)
        {
           case 1:
        System.out.println("you are a donar");
        System.out.println("Select type of Your blood");
        System.out.println("Option 1 is O+");
        System.out.println("Option 2 is O-");
        System.out.println("Option 3 is A+");
        System.out.println("Option 4 is A-");
        System.out.println("Option 5 is B+");
        System.out.println("Option 6 is B-");
        System.out.println("Option 7 is AB+");
        System.out.println("Option 8 is AB-");
        System.out.println("Enter your Option ");
        int blood=sc.nextInt();
        switch(blood)
```

```
{
   case 1:
      System.out.println("you are O+");
      System.out.println("Enter your Name");
      char name=sc.next().charAt(0);
      System.out.println("Enter your age");
      int age=sc.nextInt();
     System.out.println("Enter your phone number");
     double number=sc.nextDouble();
     break;
    case 2:
          System.out.println("you are O-");
      System.out.println("Enter your Name");
      char n=sc.next().charAt(0);
      System.out.println("Enter your age");
      int a=sc.nextInt();
     System.out.println("Enter your phone number");
     double num=sc.nextDouble();
     break;
   case 3:
          System.out.println("you are A+");
      System.out.println("Enter your Name");
      char na=sc.next().charAt(0);
      System.out.println("Enter your age");
      int ag=sc.nextInt();
     System.out.println("Enter your phone number");
     double numb=sc.nextDouble();
     break;
     case 4:
          System.out.println("you are A-");
      System.out.println("Enter your Name");
      char nam=sc.next().charAt(0);
      System.out.println("Enter your age");
      int agec=sc.nextInt();
     System.out.println("Enter your phone number");
     double numbe=sc.nextDouble();
     break;
     case 5:
          System.out.println("you are B+");
      System.out.println("Enter your Name");
      char namek=sc.next().charAt(0);
      System.out.println("Enter your age");
      int agel=sc.nextInt();
     System.out.println("Enter your phone number");
     double numberk=sc.nextDouble();
     break;
     case 6:
          System.out.println("you are B-");
      System.out.println("Enter your Name");
      char nameo=sc.next().charAt(0);
```

```
        System.out.println("Enter your age");
        int agep=sc.nextInt();
       System.out.println("Enter your phone number");
       double numberl=sc.nextDouble();
       break;
       case 7:
            System.out.println("you are AB+");
        System.out.println("Enter your Name");
        char namep=sc.next().charAt(0);
        System.out.println("Enter your age");
        int agei=sc.nextInt();
       System.out.println("Enter your phone number");
       double numberh=sc.nextDouble();
       break;
       case 8:
            System.out.println("you are AB-");
        System.out.println("Enter your Name");
        char name6=sc.next().charAt(0);
        System.out.println("Enter your age");
        int age6=sc.nextInt();
       System.out.println("Enter your phone number");
       double number6=sc.nextDouble();
       break;
}
break;
case 2:
              System.out.println("you are a Receiver");
System.out.println("Select type of Your blood");
System.out.println("Option 1 is O+");
System.out.println("Option 2 is O-");
System.out.println("Option 3 is A+");
System.out.println("Option 4 is A-");
System.out.println("Option 5 is B+");
System.out.println("Option 6 is B-");
System.out.println("Option 7 is AB+");
System.out.println("Option 8 is AB-");
System.out.println("Enter your Option ");
int blo=sc.nextInt();
switch(blo)
{


case 1:
        System.out.println("you are O+");
        System.out.println("Enter your Name");
        char name1=sc.next().charAt(0);
        System.out.println("Enter your age");
        int age1=sc.nextInt();
       System.out.println("Enter your phone number");
       double number1=sc.nextDouble();
```

```
  System.out.println("how many liters you want ");
  int lit=sc.nextInt();
    System.out.println("1 litre cost is 700$");
    int total;
    total=lit*700;
    System.out.println("Total cost is="+total);
    break;
 case 2:
        System.out.println("you are O-");
    System.out.println("Enter your Name");
    char n1=sc.next().charAt(0);
    System.out.println("Enter your age");
    int a1=sc.nextInt();
   System.out.println("Enter your phone number");
   double num1=sc.nextDouble();
   System.out.println("how many liters you want ");
   int lit1=sc.nextInt();
     System.out.println("1 litre cost is 500$");
     int total1;
    total1=lit1*500;
    System.out.println("Total cost is="+total1);
break;
case 3:
        System.out.println("you are A+");
    System.out.println("Enter your Name");
    char na1=sc.next().charAt(0);
    System.out.println("Enter your age");
    int ag1=sc.nextInt();
   System.out.println("Enter your phone number");
   double numb1=sc.nextDouble();
   System.out.println("how many liters you want ");
   int lit2=sc.nextInt();
     System.out.println("1 litre cost is 600$");
     int total2;
    total2=lit2*600;
    System.out.println("Total cost is="+total2);
   break;
   case 4:
        System.out.println("you are A-");
    System.out.println("Enter your Name");
    char nam1=sc.next().charAt(0);
    System.out.println("Enter your age");
    int agec1=sc.nextInt();
   System.out.println("Enter your phone number");
   double numbe1=sc.nextDouble();
   System.out.println("how many liters you want ");
   int lit3=sc.nextInt();
     System.out.println("1 litre cost is 400$");
     int total3;
    total3=lit3*400;
```

```
 System.out.println("Total cost is="+total3);
break;
case 5:
     System.out.println("you are B+");
 System.out.println("Enter your Name");
 char namek1=sc.next().charAt(0);
 System.out.println("Enter your age");
 int agel1=sc.nextInt();
System.out.println("Enter your phone number");
double numberk1=sc.nextDouble();
System.out.println("how many liters you want ");
int lit4=sc.nextInt();
 System.out.println("1 litre cost is 900$");
 int total4;
 total4=lit4*900;
 System.out.println("Total cost is="+total4);
break;
case 6:
     System.out.println("you are B-");
 System.out.println("Enter your Name");
 char nameo1=sc.next().charAt(0);
 System.out.println("Enter your age");
 int agep1=sc.nextInt();
System.out.println("Enter your phone number");
double number2=sc.nextDouble();
System.out.println("how many liters you want ");
int lit5=sc.nextInt();
System.out.println("1 litre cost is 800$");
int total5;
 total5=lit5*800;
 System.out.println("Total cost is="+total5);
break;
case 7:
     System.out.println("you are AB+");
 System.out.println("Enter your Name");
 char namep1=sc.next().charAt(0);
 System.out.println("Enter your age");
 int agei1=sc.nextInt();
System.out.println("Enter your phone number");
double numberh1=sc.nextDouble();
System.out.println("how many liters you want ");
int lit6=sc.nextInt();
  System.out.println("1 litre cost is 300$");
  int total6;
 total6=lit6*300;
 System.out.println("Total cost is="+total6);
break;
case 8:
     System.out.println("you are AB-");
 System.out.println("Enter your Name");
```

```
            char name2=sc.next().charAt(0);
            System.out.println("Enter your age");
            int age2=sc.nextInt();
           System.out.println("Enter your phone number");
           double number3=sc.nextDouble();
           System.out.println("how many liters you want ");
           int lit7=sc.nextInt();
             System.out.println("1 litre cost is 800$");
             int total7;
           total7=lit7*800;
            System.out.println("Total cost is="+total7);
        break;
        }
        }

    }
}
```

## 3.OUTPUT: