// BloodInfo.java

public class BloodInfo {

static String bType;

static String rFactor;

// Default constructor

public BloodInfo() {

bType = "A";

rFactor = "+";

}

// Overloaded constructor

public BloodInfo(String bt, String rh) {

bType = bt;

rFactor = rh;

}

public void display() {

System.out.println("Blood Type: " + bType);

System.out.println("Rh Factor: " + rFactor);

}

}

// BloodInfoTester.java

import java.util.Scanner;

public class BloodInfoTester {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

BloodInfo patient;

System.out.print("Enter 1 to use default constructor or 2 to use parameterized constructor: ");

int choice = input.nextInt();

input.nextLine(); // to consume the newline character

if (choice == 1) {

patient = new BloodInfo();

} else {

System.out.print("Enter blood type: ");

String bt = input.nextLine();

System.out.print("Enter Rh factor: ");

String rh = input.nextLine();

patient = new BloodInfo(bt, rh);

}

patient.display();

}

}

1. Create a java program that stores a patient's blood details.

2. Write two java classes named BloodInfo and BloodInfoTester.

3. For BloodInfo class, declare two static String fields named bType for accepting blood types and rFactor.

4.  For the default [constructor](https://sscr.cerebro.ph/mod/resource/view.php?id=2883) of the BloodInfo class, set bType to "A" and rFactor to "+".

5. Create an overloaded [constructor](https://sscr.cerebro.ph/mod/resource/view.php?id=2883) with two String parameters (bt and rh).  The values of bt and rh must be assigned to bType and rFactor.

6. In the BloodInfoTester class, import the Scanner for user's input.  Use if statement to which one to execute; the no-arg [constructor](https://sscr.cerebro.ph/mod/resource/view.php?id=2883) or parameterized [constructor](https://sscr.cerebro.ph/mod/resource/view.php?id=2883).

7. Create a method named display for showing the output.

And this should be the sample output of the program:

Sample Run 1:

Enter blood type of patient:

Enter the Rhesus factor :

Output:

A+ is added to the blood bank.

Sample Run 2:

Enter blood type of patient: AB

Enter the Rhesus factor :

Output:

AB+ is added to the blood bank.