

## JAVA\_ASSIGNMENT\_17

### INTERFACE

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### CODE:

```
import java.util.Scanner;
interface Account{
    double bank_balance_saving=20000;           //final amount in savings
    double bank_balance_current=5000;           //final amount in current
    double bank_balance_salary=30000;           //final amount in salary

    double deposit_cash();                       //abstract methods
    double withdraw_cash();
    void display();
}

//implementation savings class
class Saving implements Account{
    Scanner sc= new Scanner(System.in);

    double amount;
    public double balance_now= bank_balance_saving;
    //initializing current balance

    //overriding abstract methods

    public double deposit_cash()                 //method to deposit
cash
    {
        System.out.print("Enter amount to be deposited in savings:");
        amount=sc.nextDouble();
        balance_now= balance_now+ amount;
        return balance_now;
    }
    public double withdraw_cash()                 //method to withdraw
cash
    {
        System.out.println("Amount to be withdrawn from savings:");
        amount=sc.nextDouble();
        balance_now=balance_now - amount;
        return balance_now;
    }
    public void display()                         //method to
display account status
    {
        System.out.println("Your balance in SAVINGS ACCOUNT is Rs "+
balance_now );
    }
}
```

```

//implementation current class
class Current implements Account{
Scanner sc= new Scanner(System.in);

    double amount;
    double balance_now=bank_balance_current;           //initializing
current balance

    //overriding abstract methods

    public double deposit_cash()                        //method
to deposit cash
    {
        System.out.print("Enter amount to be deposited in currrent:");
        amount=sc.nextDouble();
        balance_now= balance_now+ amount;
        return balance_now;
    }
    public double withdraw_cash()                      //method
to withdraw cash
    {
        System.out.println("Amount to be withdrawn from current:");
        amount=sc.nextDouble();
        balance_now=balance_now - amount;
        return balance_now;
    }
    public void display()
    //method to display account status
    {
        System.out.println("Your bank balance in CURRENT ACCOUNT is Rs "+
balance_now );
    }
}

//implementation salary class
class Salary implements Account{
Scanner sc= new Scanner(System.in);

    double amount;
    double balance_now=bank_balance_salary;           //initializing current
balance

    //overriding abstract methods

    public double deposit_cash()                      //method to
deposit cash
    {
        System.out.print("Enter amount to be deposited in salary:");
        amount=sc.nextDouble();
        balance_now= balance_now+ amount;
        return balance_now;
    }
    public double withdraw_cash()                    //method to
withdraw cash
    {
        System.out.println("Amount to be withdrawn from salary:");
        amount=sc.nextDouble();
    }
}

```

```

        balance_now=balance_now - amount;
        return balance_now;
    }
    public void display() //method
to display account status
    {
        System.out.println("Your bank balance in SALARY ACCOUNT is Rs "+
balance_now );
    }
}
public class Assign17 {

    public static void main(String[] args) {
        Scanner sc= new Scanner(System.in);
        System.out.println("-----WELCOME TO JANTA
SAHAKARI BANK-----");

        //creating object of implemented classes and calling overridden
methods
        Saving sav= new Saving();
        sav.display();
        sav.deposit_cash();
        sav.display();
        sav.withdraw_cash();
        sav.display();
        System.out.println("\n");

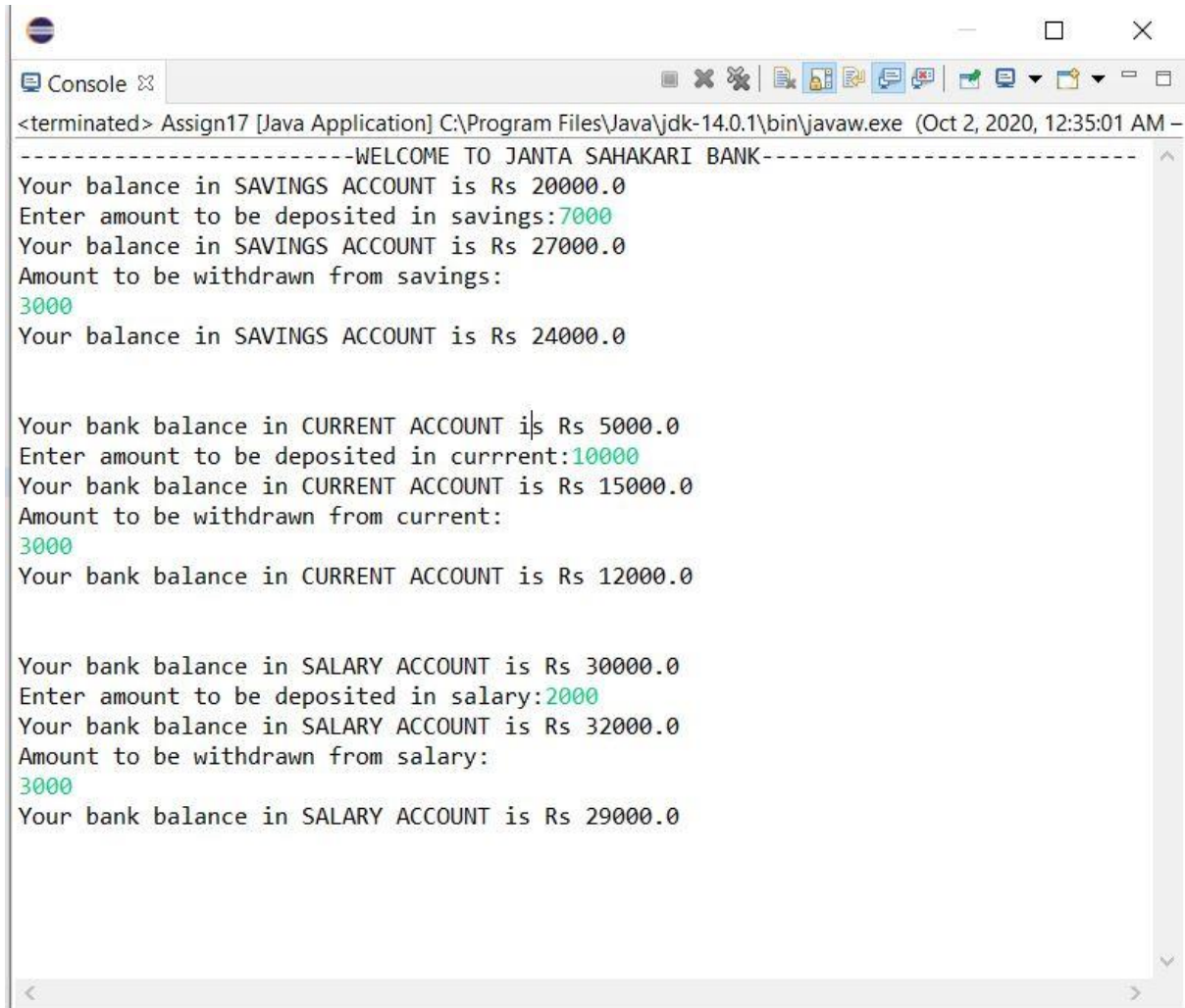
        Current cur= new Current();
        cur.display();
        cur.deposit_cash();
        cur.display();
        cur.withdraw_cash();
        cur.display();
        System.out.println("\n");

        Salary sal= new Salary();
        sal.display();
        sal.deposit_cash();
        sal.display();
        sal.withdraw_cash();
        sal.display();
        System.out.println("\n");

    }
}

```

## OUTPUT:



```
<terminated> Assign17 [Java Application] C:\Program Files\Java\jdk-14.0.1\bin\javaw.exe (Oct 2, 2020, 12:35:01 AM -
-----WELCOME TO JANTA SAHAKARI BANK-----
Your balance in SAVINGS ACCOUNT is Rs 20000.0
Enter amount to be deposited in savings:7000
Your balance in SAVINGS ACCOUNT is Rs 27000.0
Amount to be withdrawn from savings:
3000
Your balance in SAVINGS ACCOUNT is Rs 24000.0

Your bank balance in CURRENT ACCOUNT is Rs 5000.0
Enter amount to be deposited in current:10000
Your bank balance in CURRENT ACCOUNT is Rs 15000.0
Amount to be withdrawn from current:
3000
Your bank balance in CURRENT ACCOUNT is Rs 12000.0

Your bank balance in SALARY ACCOUNT is Rs 30000.0
Enter amount to be deposited in salary:2000
Your bank balance in SALARY ACCOUNT is Rs 32000.0
Amount to be withdrawn from salary:
3000
Your bank balance in SALARY ACCOUNT is Rs 29000.0
```