

LAB PROGRAM-5

IBM19CS143

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~~Sannidhi~~

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```
import java.util.*;
class Bank
{
    int deposit_balance;
    int withdraw_balance;
    String customername;
    String Account_Number;
    int Account_Type;
    int Balance = 27890;
    void accept()
    {
        Scanner s = new Scanner(System.in);
        System.out.println("Enter the customer name \n");
        customername = s.nextLine();
        System.out.println("Enter the Account Number \n");
        Account_Number = s.nextLine();
        System.out.println("Enter the Account Type : \n
        1. Current Account \n 2. Savings Account \n");
        Account_Type = s.nextInt();
    }
    void display()
    {
        System.out.println("Customer name : "
        +customername);
        System.out.println("Account Number : " +
        Account_Number);
        System.out.println("Account Type : " +
        Account_Type);
    }
}
```

```
class curr-act extends Bank {
```

```
int updated_balance;  
int After - withdrawn;  
int updated_lost_balance;
```

```
int depo-ba() {
```

```
updated_balance = Balance + deposit - Balance;  
return updated_balance;  
}
```

```
int c-with-ba() {
```

```
After - withdrawn = ((updated_balance) - (withdrawn-  
balance));  
return After - withdrawn;  
}
```

```
int minimum()
```

```
{
```

```
if ((After - withdrawn) <= (2000))
```

```
updated_lost_balance = ((After - withdrawn) - (200));  
System.out.println("you have minimum balance  
below 2000 so you have lost 200rs");  
return updated_lost_balance;  
}
```

```
else
```

```
return After - withdrawn;  
}  
}
```

```
class sav-act extends Bank {
```

```
int updated_balance;  
int After - withdrawn;  
int updated_lost_balance;  
int compound_interest;
```

```

int isdepo - ba() {
    updated - balance = Balance + deposit - balance;
    return updated - balance;
}

```

```

int interest() {
    double r = 0.08;
    int n = 12;
    int t = 5;
    compound - interest = (int)((updated - balance) *
    Math.pow((1 + (r/n)), (n*t)));
    return compound - interest;
}

```

```

int Swith - ba() {
    After - swithdrawn = ((compound - interest) - (withdraw -
    balance));
    return After - swithdrawn;
}

```

```

int minimum() {
    if ((After - swithdrawn) <= (1000))
    {

```

```

        updated - lost - sbalance = ((After - swithdrawn) - (100));
        return updated - lost - sbalance;
    }

```

```

    } else
    {
        return After - swithdrawn;
    }
}

```

```

class Transactions {

```

```

    public static void main (String args []) {

```

```

        Scanner r = new Scanner (System.in);

```

```

        curr - acct CA = new curr - acct ();

```

```

        CA . accept ();

```

```

        if (CA . Account - Type == 1) {

```

```

            System.out . println ("Enter the money you want

```

```
to deposit in Current Account in rupees");
CA.deposit_balance = r.nextInt();
CA.display();
System.out.println("After your deposition of "
+ CA.deposit_balance + " In Now your total
balance is RS - " + CA.edepo_bal());
System.out.println("Enter the money you want
to withdraw in rupees");
CA.withdraw_balance = r.nextInt();
System.out.println("After your withdrawal of "
+ CA.withdraw_balance + " In Now your total balance
is RS - " + CA.minimum());
}
else
System.out.println("Invalid!");
saw acct SA = new saw_acct();
SA.accept();
if (SA.Account_Type == 2) {
System.out.println("Enter the money you
want to deposit in Savings Account in rupees");
SA.deposit_balance = r.nextInt();
SA.display();
System.out.println("After your deposition of "
+ SA.deposit_balance + " In Now your balance is
RS - " + SA.udepo_bal());
System.out.println("After interest your updated
balance is RS - " + SA.interest());
System.out.println("Enter the money you
want to withdraw in rupees");
SA.withdraw_balance = r.nextInt();
System.out.println("After your withdrawal of
RS - " + SA.withdraw_balance + " In Now your
total balance is RS - " + SA.swith_bal());
```

```

System.out.println("After your checking if you
have minimum balance or not, your updated
total balance is RS-" + SA.minimum());
}

```

```

else

```

```

System.out.println("Invalid!");
}

```

```

}

```

OUTPUT:

Enter the customer name

Sannidhi Kasturi

Enter the Account Number

2344

Enter the Account type

1. Current Account.

2. Savings Account.

1

Enter the money you want to deposit in
Current Account in rupees.

200

CUSTOMER NAME : Sannidhi Kasturi

ACCOUNT NUMBER : 2344

ACCOUNT TYPE : 1

After your deposition of 200

Now your total balance is RS- 28090

Enter the money you want to withdraw
in rupees

10

After your withdrawal of 10

Now your total balance is RS- 28080

Date _____
Page _____

After checking if you have minimum balance or not, your updated total balance is RS - 28080.

Enter the customer name
Neha Kumari

Enter the Account number.
2221

Enter the Account type

1. Current Account.

2. Savings Account.

2

Enter the money you want to deposit in Savings Account.
200

CUSTOMER NAME: Neha Kumari

ACCOUNT NUMBER: 2221

ACCOUNT TYPE: 2

After your deposition of 200

Now your total balance is RS- 41849

Enter the money you want to withdraw in Savings Account.
20

After your withdrawal of 20

Now your total balance is RS- 41829

After checking if you have minimum balance or not, your updated balance is RS- 41829.