ROLL NO- SEITA14 NAME- Harshita Totala DIV- IT A **SUBJECT- Object Oriented Programming**

ASSIGNMENT NO. 9

TITLE: Case Study

AIM: Using concepts of Object Oriented programming develop solution for any one application-

- 1) Banking solution contains following operations such as 1. Create an account 2.Deposit money 3.Withdraw money 4. Honor daily withdrawal limit 5. Check the balance 6. Display Account information.
- 2) Inventory management contains following operations such as List of all products 2. Display individual product information 3. Purchase 4. Shipping 5.Balance stock 6. Loss and Profit calculation.

OBJECTIVE: To implement real time context.

SAMPLE CODE:

Create following classes and Methods

class Account : Set balance(),Getbalance(),setAccount type(),getaccounttype

Class Bank: creatAccount(), withdrawAmount(), depositAmount(), displayinfo()

Class customer:

getCustomerName(),setCustomerName(),getcustomerAge(),setCustomerAge()

Class saving account: setMinimumBalance (), withdraw()

Input:

Enter your name: Sai

Enter your age: 15

Minimum age should be 18 to create an account.

Please enter valid age: 21

Enter your account ld: 1

Enter your account type: savings

Enter balance: 10000

Enter minimum balance: 1000

Output:

1.Create Account

2. Display Account

3.Check Balance

4.Deposit Amount

5.Withdraw Amount

Enter your choice: 1

Enter your name: Sai

Enter your age: 15

Minimum age should be 18 to create an account.

Please enter valid age: 21

Enter your account ld: 1

Enter your account type: savings

Enter balance: 10000

Enter minimum balance: 1000

Do you want to perform more actions? (yes/no): yes

1.Create Account

2.Display Account

3.Check Balance

4.Deposit Amount

5.Withdraw Amount

Enter your choice: 2

Welcome Sai Pande! Following are your account details:

Age :21

Account Id: 1

Account Type: savings

Balance: 10000.0

Minimum balance: 1000.0

Do you want to perform more actions? (yes/no): yes

- 1.Create Account
- 2.Display Account
- 3.Check Balance
- 4.Deposit Amount
- 5. Withdraw Amount

Enter your choice: 3

Balance is: 10000.0

Do you want to perform more actions? (yes/no): yes

- 1.Create Account
- 2.Display Account
- 3.Check Balance
- 4.Deposit Amount
- 5. Withdraw Amount

Enter your choice: 4

Enter the amount you want to deposit: 20000

Amount deposited successfully. Balance is: 30000.0

Do you want to perform more actions? (yes/no): yes

- 1.Create Account
- 2.Display Account
- 3.Check Balance
- 4.Deposit Amount
- 5.Withdraw Amount

Enter your choice: 5

Enter the amount you want to withdraw: 30000

Withdrawal failed. Maximum limit of withdrawal in one transaction is Rs.20000.

Do you want to perform more actions? (yes/no): yes

- 1.Create Account
- 2.Display Account
- 3.Check Balance
- 4.Deposit Amount

5. Withdraw Amount

Enter your choice: 5

Enter the amount you want to withdraw: 15000

PROGRAM-

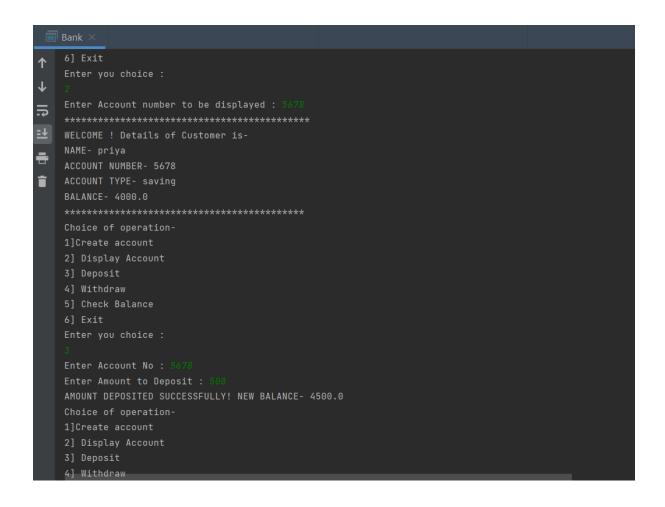
```
name = sc.nextLine();
public void display acc() {
public void deposit(){
```

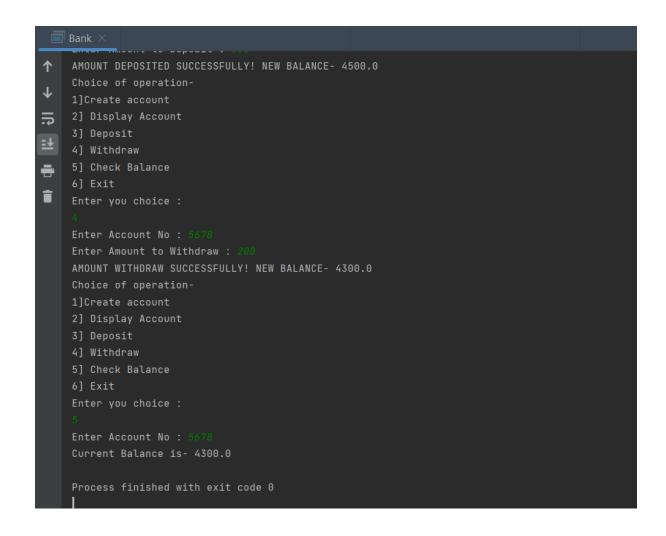
```
amt = sc.nextLong();
```

```
System.out.print("Enter Account No : ");
    acn = sc.next();
    found = false;
    for (int i = 0; i < ac.length; i++) {
        found = ac[i].search(acn);
        if (found) {
            ac[i].get_balance();
            break;
        }
     }
     if (!found) {
        System.out.println("Account Does Not Exist !!!");
     }
     break;

case 6:
     System.out.println("Thank You!! Do visit again.");
     break;
}
while (ch != 5);
}</pre>
```

OUTPUT-





CONCLUSION- Thus we performed the Bank Management with concepts of Object Oriented Programming.