Create a bank account with deposit and withdraw option

CODE:

```java
import java.io.*;

import java.util.*;


class Account

{

        double bal;

        Account(double b)

        {

                bal=b;

        }

        void withdraw()

        {

                Scanner sc=new Scanner(System.in);

                double wb, minbal=500.00;

                System.out.println("Enter the amount you want to withdraw");

                wb=sc.nextDouble();

                if(bal>500&bal-wb>500)

                {

                        bal=bal-wb;

                        System.out.println("Amount withdrawn successfully");

                }

                else

                {

                        System.out.println("Your account balance is insufficient for the
withdrawal");

                }

        }
```

```java
        void deposit()

        {

                Scanner sc =new Scanner(System.in);

                double da=0.0;

                System.out.println("Enter the amount you want to deposit");

                da=sc.nextDouble();

                bal=bal+da;

                System.out.println("Amount deposited successfully");

        }

        void balanceEnquiry()

        {

                System.out.println("Your current balance in account is "+bal);

        }

}

class SavingsAccount extends Account

{

        double inra,intr;

        SavingsAccount(double b,double ir)

        {

                super(b);

                inra=ir;

        }

        public double calculateInterest()

        {

                intr=bal*(inra/100);

                bal=bal+intr;

                return intr;

        }
```

```java
        void display()

        {       Scanner sc=new Scanner(System.in);

                int c=0;

                System.out.println("Choose your choice");

                System.out.print("1.Withdraw\n2.Deposit\n3.Balance Enquiry\n");

                c=sc.nextInt();

                if(c==1)

                {

                withdraw();

                balanceEnquiry();

                }

                else if(c==2)

                {

                deposit();

                balanceEnquiry();

                }

                else if(c==3)

                balanceEnquiry();

                else

                {

                        System.out.println("Invalid Choice");

                        return;

                }

        }
}
class CurrentAccount extends Account

{

        double fee;
```

```java
CurrentAccount(double b,double f)

{

        super(b);

        fee=f;

}

void withdraw()

{

        Scanner sc=new Scanner(System.in);

        double wb, minbal=500.00;

        System.out.println("Enter the amount you want to withdraw");

        wb=sc.nextDouble();

        if(bal>500&bal-wb-fee>500)

        {

                bal=bal-wb-fee;

                System.out.println("Amount withdrawn successfully");

        }

        else

        {

                System.out.println("Your account balance is insufficient for the
withdrawal");

        }

        balanceEnquiry();

}

void deposit()

{

        Scanner sc =new Scanner(System.in);

        double da=0;

        System.out.println("Enter the amount you want to deposit");

        da=sc.nextDouble();
```

```java
                bal=bal+da-fee;

                System.out.println("Amount deposited successfully");

                balanceEnquiry();

        }

}

class AccountMain

{

        public static void main(String args[])

        {

                int s;

                Scanner sc=new Scanner(System.in);

                double b,ir,f,intra;int a;

                do{

                System.out.println("Choose the type of account:");

                System.out.print("1.SavingsAccount\n2.CurrentAccount\n");

                a=sc.nextInt();

                if(a==1)

                {

                System.out.println("Enter your initial balance");

                b=sc.nextDouble();

                System.out.println("Enter the interest rate assigned to your Account");

                ir=sc.nextDouble();


                SavingsAccount sa=new SavingsAccount(b,ir);

                System.out.println("Enter your choice");

                System.out.print("1.To know your interest\n2.To withdraw or deposit or
balance enquiry");

                int c=0;
```

```java
c=sc.nextInt();

if(c==1)

{

        intra=sa.calculateInterest();

        System.out.println("Interest = "+intra);

}

else if(c==2)

{

        sa.display();

}

else

{

        System.out.println("Invalid Choice");

        return;

}

}

else if(a==2)

{

        int d;

System.out.println("Enter your initial balance");

b=sc.nextDouble();

System.out.println("Enter the fee for every transaction");

f=sc.nextDouble();

CurrentAccount ca=new CurrentAccount(b,f);

System.out.println("Enter your choice");

System.out.print("1.Withdraw\n2.Deposit\n3.BalanceEnquiry\n");

d=sc.nextInt();

if(d==1)
```

```java
                        ca.withdraw();

                        else if(d==2)

                        ca.deposit();

                        else if(d==3)

                        {

                                ca.balanceEnquiry();

                        }

                        else

                        {

                                System.out.println("Invalid Choice");

                                return;

                        }

                }

                System.out.println("\nPress 1 to coninue and 0 to exit");

                s=sc.nextInt();

        }while(s==1);

        }

}
```