import java.util.Scanner;

public class Bank {

static double acc\_num=889900;

static double pin\_num=4455;

static double acc\_bal=0.00;

static double acc\_withdraw, acc\_deposit;

static int option;

static boolean select\_option=false;

static Scanner f=new Scanner(System.in);

public static void main(String[] args)

{

System.out.println("welcome to XYZ bank" );

//account\_validation();

option();

}

static void option()

{

boolean select\_option= false;

while(select\_option== false)

{

//cases();

while ( select\_option==false)

{

System.out.println("do you wish to continue, select one of the option" + "\n"+ "1.yes"+"\n"+"2.No" );

option=f.nextInt();

if (option>0 && option<=2)

{

select\_option= true;

}

else

{

System.out.println( "Incorrect option please re-try" );

select\_option= false;

}

}

if (option==1)

{

cases();

}

else

{

select\_option= true;

System.out.println("Thank you for banking with us. !");

}

}

}

static void account\_validation()

{

boolean acc\_validation=false;

while(acc\_validation==false)

{

System.out.println("Precondition :" +"\n"+"account number :"+acc\_num +"\n"+"pin number :"+pin\_num+"\n" );

System.out.println("Enter the account number");

int exp\_acc\_num=f.nextInt();

System.out.println("Enter the pin number");

int exp\_pin\_num=f.nextInt();

if(acc\_num==exp\_acc\_num && pin\_num ==exp\_pin\_num)

{

System.out.println("Account validation is completed");

acc\_validation=true;

}

else{System.out.println("Account validation is Failed please re-try" );

acc\_validation=false;}

}

}

static void account\_deposit()

{

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

acc\_deposit=f.nextDouble();

acc\_bal=acc\_bal+acc\_deposit;

System.out.println("Your new account balance is :"+ acc\_bal);

option();

}

static void account\_withdraw()

{

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

acc\_withdraw=f.nextDouble();

if(acc\_bal<acc\_withdraw)

{

System.out.println("The entered amount is greater than account balance or insufficient balance.");

option();

}

else if(acc\_bal>=acc\_withdraw)

{

acc\_bal=acc\_bal-acc\_withdraw;

System.out.println("Your new account balance is :"+ acc\_bal);

option();

}

}

static void account\_balance()

{

System.out.println("Account balance is :" +acc\_bal);

option();

}

static void cases()

{

while ( select\_option==false)

{

System.out.println("enter the option you want to select." +"\n"+ "1.account\_balance"+"\n"+"2.account\_deposit()"+"\n"+"3.account\_withdraw");

int option=f.nextInt();

if (option>0 && option<=3)

{

if (option==1)

{account\_balance();

select\_option= true;

}

if (option==2)

{account\_deposit();

select\_option= true;

}

if (option==3)

{account\_withdraw();

select\_option= true;}

}

else

{

select\_option= false;

System.out.println("incorrect option");

}

//System.out.println("enter the option you want to select." +"\n"+ "1.account\_balance"+"\n"+"2.account\_deposit()"+"\n"+"3.account\_withdraw");

//cases();

}

}

}