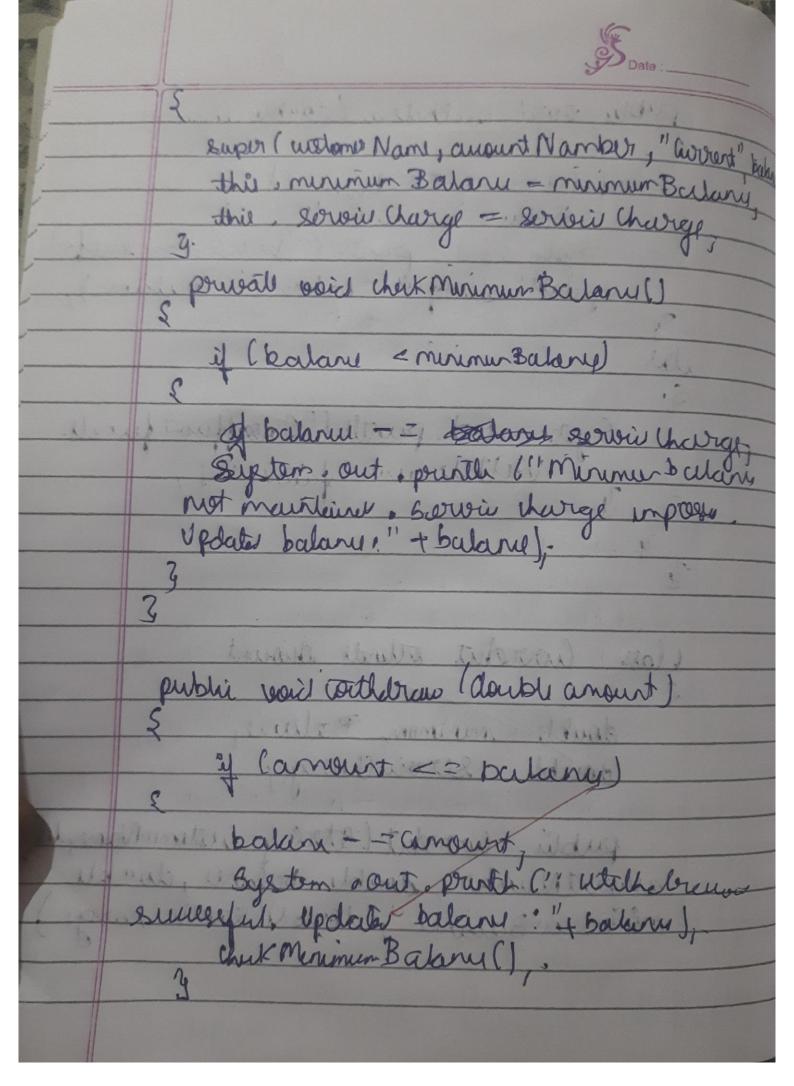
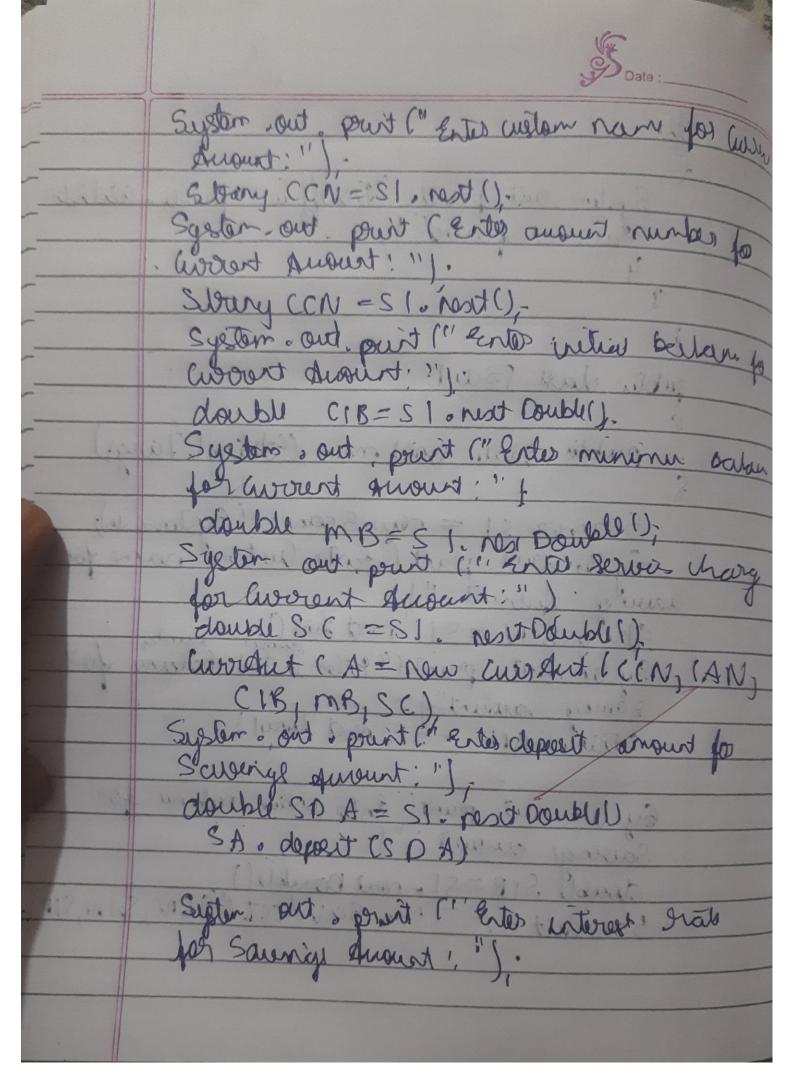
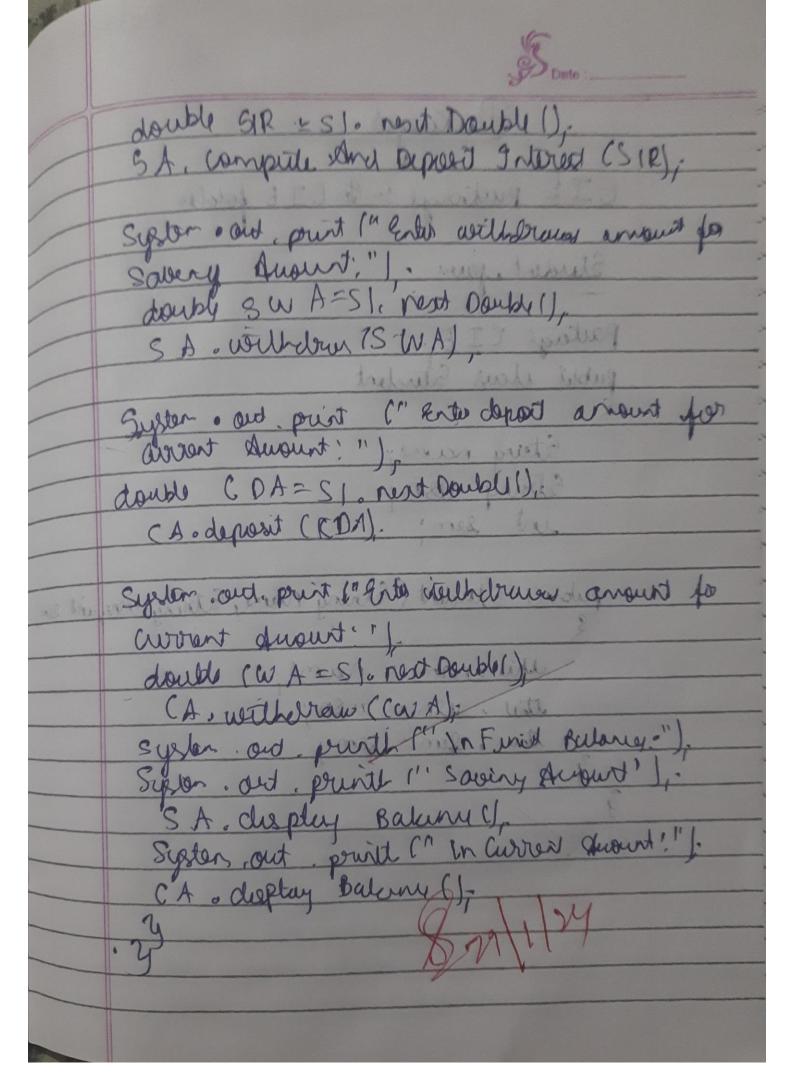


when soul well-drankdouble anount System out pourtle (" Vollabraion suns.
Up dated successful balance of bullion general someway eling touffeent "Iltrarg. tuo o rotages. Class Curri Aut extends duount double minimum Balance, double String Charge; amount Number, double balance, double minimum Balance, double service Char



arth ("Troughing Scarner SI = new Scanner 15 System out, print "Enter Custom Strang SCN = SI. next Line () Suplan in the Suplan Suplan out print (" Exten in the Suplan is System out put! "Enter with Dulany for double SIB=SI. next Danble() Soundert & A = new Sav Acct (SCN, SAN, SIB





```
import java.util.Scanner;
class Account
{
String customerName;
long accountNumber;
String accountType;
double balance;
Account(String customerName, long accountNumber, String accountType, double balance)
{
this.customerName = customerName;
this.accountNumber = accountNumber;
this.accountType = accountType;
this.balance = balance;
}
void deposit(double amount)
{
balance = balance + amount;
System.out.println("Deposit of " + amount + " was successful. Balance: " + balance);
}
void displayBalance()
{
System.out.println("\nAccount Number: " + accountNumber + "\nCustomer Name: " +
customerName + "\nAccount Type: " + accountType + "\nBalance: " + balance);
}
}
```

```
class SavingsAccount extends Account
{
SavingsAccount(String customerName, long accountNumber, double balance)
{
super(customerName, accountNumber, "Savings", balance);
}
void interest(double rate)
{
double interest = balance * rate / 100;
balance = balance + interest;
System.out.println("Interest computed and deposited. Updated balance: " + balance);
}
void withdraw(double amount)
{
if(amount<=balance)
{
balance = balance - amount;
System.out.println("Withdrawal of " + amount + " successful. Updated balance: " + balance);
}
else
System.out.println("Insufficient funds. Withdrawal failed.");
```

```
}
}
}
class CurrentAccount extends Account
{
double minimumBalance;
double serviceCharge;
CurrentAccount(String customerName, long accountNumber, double balance, double
minimumBalance, double serviceCharge)
super(customerName,accountNumber,"Current",balance);
this.minimumBalance=minimumBalance;
this.serviceCharge=serviceCharge;
}
void checkMinimumBalance()
if(balance<minimumBalance)
{
balance = balance - serviceCharge;
System.out.println("Minimum balance not maintained. Service charge imposed. Updated balance: "
+ balance);
}
else
{
```

```
System.out.println("Minimum balance maintained. Service charge not imposed. Updated balance: "
+ balance);
}
}
void cheque(double amount)
{
balance = balance - amount;
System.out.println("Withdrawal of " + amount + " successful. Updated balance: " + balance);
}
}
public class Bank
{
  public static void main(String[] args)
{
    Scanner s1 = new Scanner(System.in);
System.out.println("Savings Account: ");
    System.out.print("Enter customer name: ");
    String name = s1.nextLine();
    System.out.print("Enter account number: ");
    long no = s1.nextLong();
    System.out.print("Enter initial balance: ");
    double balance = s1.nextDouble();
    SavingsAccount SA = new SavingsAccount(name, no, balance);
System.out.print("\n");
```

```
System.out.print("Enter customer name: ");
    name = s1.next();
    System.out.print("Enter account number: ");
    no = s1.nextLong();
    System.out.print("Enter balance: ");
    balance = s1.nextDouble();
    System.out.print("Enter minimum balance: ");
    double minBalance = s1.nextDouble();
    System.out.print("Enter service charge: ");
    double charge = s1.nextDouble();
    CurrentAccount CA = new CurrentAccount(name, no, balance, minBalance, charge);
System.out.print("\n");
    System.out.print("Enter deposit amount for Savings Account: ");
    double SDA = s1.nextDouble();
    SA.deposit(SDA);
System.out.print("\n");
    System.out.print("Enter interest rate for Savings Account: ");
    double SIR = s1.nextDouble();
    SA.interest(SIR);
System.out.print("\n");
    System.out.print("Enter withdrawal amount for Savings Account: ");
    double SWA = s1.nextDouble();
    SA.withdraw(SWA);
System.out.print("\n");
```

System.out.println("Current Account: ");

```
System.out.print("Enter deposit amount for Current Account:");
double CDA $1.nextDouble()

CA.deposit (CDA);
System.out.print("\n");
System.out.print("Enter withdrawal amount for Current Account: ");
double CWA= s1.nextDouble():

CA.cheque(CWA);
System.out.print("\n");
System.out.println("\nFinal Balances:");
System.out.println("Savings Account:"

SA displayBalance():
System.out.print("\n");
System.out.print("\n");
CA displayBalance();
}
}
```

Deekshith B 1BM22CS082

Output:

Savings Account:

Enter customer name: Deekshith B

Enter account number: 1000

Enter initial balance: 50000

Current Account:

Enter customer name: Nandan

Enter account number: 2000

Enter balance 150000

Enter minimum balance: 20000

Enter service charge: 10

Current Account:

Enter customer name: Nandan

Enter account number: 2000

Enter balance 150000

Enter minimum balance: 20000

Enter service charge: 10

Enter deposit amount for Savings Account: 10000

Deposit of 10000.0 was successful. Balance: 500000

Enter interest rate for Savings Account: 5

Interest computed and deposited. Updated balance: 63000.0

Enter withdrawal amount for Accoun Savings 3000

Withdrawal of 2000.0 successful, Updated balance: 610000

Enter deposit amount for Current Account: 20000

Deposit of 20000.0 was successful Balance: 1700000

Enter withdrawal amount for Current Account: 50000

Withdrawal of 100000 successful. Updated balance: 120000 0

Final Balances:

Savings Account

Account Number: 1000

Customer Name: Deekshith B

Account Type: Savings Balance: 61000.

Current Account:

Account Number: 2000

Customer Name: Nandan

Account Type: Current

Balance: 120000.0