void diplay Balance () lyter-at-pinth ("Account Number:" + account valut "In Cuctomer Name: "In Account Type: " + account Type +
"In Balance: " + balance): class laving Account extents of count laving Account (Iting entone Name, long want Nuche, super (wetome Name, account Numba, "Savings", balance); void interest (double rate) double interest = balance + rate /100; balance - balance + interest; lysten out peinth l'Intrest computed and deposited alphated balance: "+ balance); void withdean (double amount) lytem-out printh (" Wilthdeamal of " + amoun engenful. applated balan + balance);

elu System . out . peinth (In Insufficient funly. Withdram fuited \n"). class Queent Account extends Account double minimum Balance double service Charge; Current Account (String wetomer Name, long awant Number double balance, double minim Bala double service Charge Super (sutome Name, account Number, Gurent", belance); this seven Charge - Servin Charge; good check Minimum Balance () minimum Balance balance = batance - giving Charge else lyetem- out printly (") n Mi levin chaye not imposed. , Balance: " + bulance);

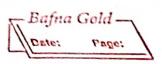
void cheque (double amount) lyster, out-printh 1 'In Withhard of " + amount + "encessful, Updated balance: " + balance). E class Bank public etalis void main (Strig [7 args) beanner input I new beaute (Mystern in lyten out printh ("lavings Account:"); lysten out puith ("Inter oustone name:");
sterry name = input next Time (); Style-out-purt ("hite account number:")?

Stong no = input. next Long (); System out print ("Intre balance:"); double balance = input next Double(); lawings Account SA = new lawings Account (name) (no, balance); System-out-perit ("Intre outone name: "); rome = input, rest Line();



	System out pinet ("Inter account number: ");
	no = injut. next(ong();
	lystr. out. printtr ("Intu balance:");
Se and	balance = input, next Pouble ();
	System out just ("Intu minim Balance:");
	double nin Balance? input next Double();
	Systement put (" Inter wive shope: ");
	double charge = injut . hent Double ();
	ment south
	Liverent Account CA = new Current Account
-	(name, no, balance, min Raline
	shary);
- L	may)
	System-out put (" buter deposit for lawings: ");
5	double DS = input next Double ()
	SA. depoit (DS);
43	311 001000 (13)
W.	lyster-out, put ("Inter interest rate of lawings:");
5	double IS = input · nest Double ();
	SA, interest (IS)
	Syste-out-prit- (" Inter withhead amount of saving 1")
	double WS = input. nest Double ();
1	SA. withdraw (WS)
1	13.11
	duction to a the forth promit of funct 1")?
	In the DC = input poulde()
183	double PC = input neut Double (); CA. depoit (DC);
	Cri · ayour () Cri
Farmer	Syster out prit ("Inter withhand of lurent:");
	do 110 1010 = 150 to 100 10 100
	dont de (1916):
	CA cheque (WC)

4-5	
	lyster-out. puth (" In Final Balances: ").
	byth-out-pith (" lawip Account "")
	SA. diplay Balance ()
	101.15, 17 1 1.11
	lythe-out, printh (") " lunest Account !")?
	CA. dieply Balance ();
	The interest of the transfer of the state of
	Julia 1
	9
,	Tourst Arment Pop room root of the Total
1,19	OUTPUT
	laving Account:
	Inter lucture nume in thouse G
	Intu auant number: 100
	Inte balance: 50000
	1 SV - 4 M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Surent Account:
. /	Inter restore name : sangelte
	Arta account muly: 200
	Inter balance: 150000
F	Inter minin balance: 20000
1	hte service shepe: 10
	Ante deport amont for lawy successful. Balow: 60000.0
	Deport of 10000.0 was successful. Bulue 60000.0
	Interest eate for Joing Account: 5 Interest competed and deposited. Update balone: 63000,0
	Interest Competed and deported. Update balone: 630001
	hete withhand amount for lawy succentral.
	Withdrawal of 2000,0 was successful.
	Updatt balance: 61000.0
30	



AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME	
	Inter depoit amount for west account: 20000 Pepoit of 20000. D. marsh . Update bahare:
	Report of 20000. D unearly! Undete balance:
	Ante withdrawl amount for lurent Acrost :50000 littledand of 50000.0 securiful. Updated believe
	Withdrand of 50000.0 parental. Upd HI later
	: 120000.0
	Find Balances:
	Savings decount:
	Account Numbe: 100
	Seutome Nane: Checan y
	Account Type: lavings
	Balane: 61000.0
	Gurent Account:
	Account Number: 200
	lutore have : largether
	Anat Type: luesent
	Bolon: 120000.0
	1/21/
Argo	Die
1	
7	

```
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)</pre>
{
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.println("Current Account: ");
    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.print("Enter deposit amount for Current Account: ");
    double CDA = s1.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.println("\nCurrent Account:");
    CA.displayBalance();
 }
}
Output:
Savings Account:
Enter customer name: Charan G
Enter account number: 100
```

Enter initial balance: 50000

Enter customer name: Sangeetha
Enter account number: 200
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: 60000.0
Enter interest rate for Savings Account: 5
Interest computed and deposited. Updated balance: 63000.0
Enter withdrawal amount for Savings Account: 2000
Withdrawal of 2000.0 successful. Updated balance: 61000.0
Enter deposit amount for Current Account: 20000
Deposit of 20000.0 was successful. Balance: 170000.0
Enter withdrawal amount for Current Account: 50000
Withdrawal of 50000.0 successful. Updated balance: 120000.0
Final Delamace
Final Balances:
Savings Account:
Account Number: 100
Customer Name: Charan G
Account Type: Savings

Current Account:

Balance: 61000.0

Current Account:

Account Number: 200

Customer Name: Sangeetha

Account Type: Current

Balance: 120000.0