Name: Sagar - Barguri USN: 1BM22CS231

pevelop a java program to create clay Bank
that maintains two kinds of accounts for its
conformer, one called savings account and other current
account. The savings account provides compound
interest and withdrawal facilities but no cheque book
facility. The current account provider cheque book
facility but no interest. Current account book
facility but no interest. Current account books
should also maintain a minimum balance that
by the balance falls below this level a service
that is imposed

import sava.util.*;

class Account {

String nume;

int accno;

String acctype;

double balance;

Account (string name, int accno, string actype, double double balance)

this access = access;

this access = access;

this balance = balance;

void diposit (double ammount) {

balance t = ammounts

```
void withdraw (double amount) ?
              if (balance - amount) > = 0) $
                         balance - = amount;
               else & System out printin ("Insufficient balance");
         void Wilpday ()5
                System.out.println("Name:" + name + " \n")
                                 "Account No :"+ account " \n"+
                                 "Type:" + type + " \n"+
                                 "balance " + balance + "anny.
        Savings Account extends Accounts
 day
        private static int rate = 5:
         Saving Account (string name, int aceno, string type,
                        double balance)
               super (name, aceno, type, balance); 3
                balance with Interest () {
         void
                   balance += balance + rate/100;
                  Systemour. printin ("balance: "+ balance):
Clays Euro Account extends Accounts
         private static int minBtdance = 1000;
        private satic int charge = 100;
         Currecount (String name, int accno, string type,
                         double balance)
                 super ( name, accord, type balance)
```

```
void checkMin() }
               if (balance (min Balance)
               I Systemour print in t"Balance is less than
                     min tolance service charge exposed "+
                        thange) >
                balance -= charge;
             System.our println ("batance is " + balance);
public was Auour-Main &
         public static void main (String args (3)
            Scanner s = new scanner (system.in);
            System. out. printint "Enter your name");
            String name = s. next Line ();
            System. our sprintle ("Enter the account type
                  (current or savings) ");
            string type = s.next();
            System. our printly (" Enter the account number);
            int acono = s. nextInt();
            System. out. print in C'Enter the Initial bulance = 2)
             double balance = s.neat Double();
            Account acc = new Account Lname acceno
                     type, balance);
             Soving Account su = new Saving Account (name
                    are ino, type, balances:
            currecount ea = new currecount known
                 As auro, type, takance);
            double amount
```

while (mu) {

if (acc.type . equals ("savings")) { System out printin ("In --- MENU --- In'); System-out printin (") Deposit 1+ 2 with draw 1+ 3. comput Interest It A. Display Account

details (+ 5. exit (++); System. our print bolo (" Enter your choices). int choice = s.nex+Into;

switch (choice)

(use 1 : System our print In (" Enler the deposit amounts); amount = s.nextDouble(); sa. deposit (amount);

break;

case 2: System. out. println (" Enter the withdrawal amounts): amount = s. next Double (); 50. withdraw (amount); break;

59. balan cewith Interest (): care 3: break;

4: System. ow. print In (" Details: "); ra. der play (2) break;

care s: return;

default: System. out. print In ("Invalid choice");

```
Else &
            System our printing as Bepositist 2 willdraw 1+
                   3. display mount details in 4 case for
            System.out. printin (" Enter the diosees);
                 choice = s.next Int ();
              switch (choice)
                  cuse 1: System our printin ("Enter the armost")
                            amount = 5 ment posses sneet bouleds
                            (a. deposit (amount);
                             breuz:
                 case 2: System.out.println("Enter the amount");
                           amount = s.nonDouble ();
                            ca. with draw (amount);
                             ca. their Min();
                              busics
                 case 3: ca. display():
                              break;
                 case 4: System. exit(0):
O uppur :
Savings owpul =
 Enter your name:
  Sagar
  Enter the a count type ( aurent or deposit).
  savings
   Enter the account number.
   15386
```

```
Enter the initial balance
150
       - MENU ----
1. Deposit 2. with draw 3. compute interest
 Enter your choice a
 Enter ammount
 4000
 Enter your choice
  Enter your amount
  3000
  Enter your choice
  3
   Derails:
   Name: Sagar
   Acuno : 15386
   Type : saving
   balunce: 1000
Curr Account output =
 Enter your name
  Jayar
 Enter account you course deposit)
   curen
  Enter the accom number
   15348
   Enter the initial amount
   1500
   Enter choice
    300 Enter the amount
```

3000

Enter your choice

Details

Name: sager

Auno: 15348

Type: curent

balance 1260

```
White a Java program to create a generic class stack
  which holds 5 integers and 5 double values
 Clau Stack (T) {
       7 a, b, c, d, e;
       void sell Ta, Thb, Tc, Td, Te)
              ther a = a;
              this. b = b;
              this, c= c;
               this, d = d;
               this.e = e
        void print () {
             System. aut. println ("0+""+6+""+(#""+d+""+e)
     3.
3
class Stack Muin {
       public static void main (String args []) ?
          Stack (Integer? ob) = new Stack (Integer) ();
          Stack ( Double ) Ob2 = new Stack ( Double > ();
           obs. set (2,4,6, 7,5);
            062.50 (2.5, 4.8, 8.9, 7.2, 5.6);
            obl. print();
           ob2. printu;
output -
                             5.6
                      7.2
                6.9
```

7.70.