OOJ-LAB-5

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```
import java.util.Scanner;
import java.lang.Math;
class Account
{
   String name;
   int acctno;
   char type;
   double balance;
   double dep;
   boolean cheq;

   void get(char c)
{ type = c;
   if(c=='s'||c=='S')
    cheq=false
    else cheq=true;
  Scanner sc = new Scanner(System.in);
  System.out.println("Enter the account no");
    acct no = sc.nextInt();
  System.out.println("Enter available balance");
    balace = sc.nextDouble();
}
  void putd()
{ System.out.println("Account");
   System.out.println("Name" + Name);
   System.out.println("Acct No" + Acctno);
   System.out.println("type" + type);
   System.out.println("savings" + balance);
```

```
void dep()
{ Scanner ss = new Scanner (System.in);
  System.out.println("Enter amount to deposit");
double dep = ss.nextDouble();
      balance += dep;
    System.out.println(" Deposited");
}

 void display()
 {
    System.out.println(" Balance " + Balance);
  }
  void check()
   {  if(chq = false)
      System.out.println("Not available");
      else
      System.out.println(" Available ");
   }
}

class saving extends Account
{ double rate,
  double s_with;
  int n;
  int ch;
  double amt;
  double term;
  double pr;

 void ci()
   { Scanner sc = new Scanner (System.in)
```

```
System.out.println("Enter principle");
pr = ss.nextDouble();
System.out.println("Enter rate");
rate = ss.nextdouble();
System.out.println("Enter year");
term = ss.nextdouble();

System.out.println("No. of times interest
                    annually");
n = ss.nextint();
amt = pr * Math.pow((1+rate/100)),(n*term));
balance += amt;
System.out.println("Interest deposited
                    balance updated.");
}

void with_s()
{ scanner sc = new scanner(system.in);
  System.out.println("Enter amount for
                      withdrawal");
  s_with = ss.next Double();
if(s_with > balance)
System.out.println("Not enough");
else
{ balance = balance - s_with;
System.out.println("withdrawn, balance
                    updated");

}
}
```

```
class current extends Account
{ double c_with;
  double pen;
  double min;
  current()
  { pen = 100;
    min = 500;
  }

void with ()
{ Scanner xx = new Scanner (System.in);
  System.out.println(" Enter the withdrawal");
  c_with = xx.nextDouble();
   if (c_with > balance)
{System.out.println (" Not enough");
 return; }
else
{ balance = balance - c_with;
 System.out.println(" Amount withdrawn
                      balance updated");

 if (balance < min)
{ System.out.println(" Min threshold ");
   if (balance < pen)
System.out.println(" Amount deducted on
                      replenishing" + balance)
  else
  { balance = balance - pen;
System.out.println(" Penalty charge, current
                      balance " + balance)
  }
}}
```

```
class Bank
{public static void main(String sss[])
int ch, chh;
Scanner sx = new Scanner(System.in);
System.out.println("Bank");
System.out.println(" press 1-saving 2-current");
 int ch= sx.nextInt()
    if(ch==1)
{
  Saving s= new saving();
   s.get('s');
  do{
System.out.println(" 1. Dep \n). CI 3.withdrawal
                    \n 4. Account 5. Cheque 6 Exit);
System.out.println(" Enter choice");
  chh = sx.nextInt();
  switch(chh)
  { case 1:
     s.dep();
     break;

    case 2:
     s.ci(); break;
   case 3:
   s.withs(); break;

   case 4: sdisplay(); break;
   case 5: s.check(); break;
   case 6: break;
   default: System.out.println("Wrong");
     break; } } while((ch!=6)); }
```

Mayur