lab 7b

```
import java.util.Scanner;

Class Account
{
  String customer_name;
  String acc-number;
  String acc-type;

Public Account(String customer_name,
      String acc_number, String acc-type) {
  this.customer_name = customer_name;
  this.acc-number = acc_number;
  this.acc-type = acc-type;
  }
}

Class Savings_Account extends Account
{
  static double balance = 0.0;

public Savings_Account(String customer_name,
      String acc_number, String acc-type) {
  super(customer_name, acc-number, acc-type);
}
```

```
public Void deposit(double amt, int yrs,
                    double rate)
{
    rate /= 100.0;
    balance = amt * Math.POW((1+rate/12), (12*yrs));
                    (12.yrs));
}
Public Void withdraw(double amt)
{
    if (balance - amt <= 0)
    {
    System.out.println("Cannot withdraw");
}
else {
    balance -= amt;
}
}

Public Void getDetails()
{
    System.out.println("Name:" + customer_name);
System.out.println("Account number:" + acc_number);
System.out.println("Balance:" + balance);
```

System.out.println("Check Book facility: NO");
}
}

Class current_Account extends Account
{
Public current_Account (String customer_name,
String acc_number, String acc_type) {
super(customer_name, acc_number, acc_type);
}

Static double balance = 0.0;
double min_balance = 500.0;
double penalty = 30;
Public Void deposit (double amt)
{
balance += amt;
}
Public Void withdraw (double amt)
{
if (balance - amt <=0)
{
System.out.println("Cannot withdraw further");
}

```
else
    balance -= amt;
}
  Public Void check()
  {
     if(balance < min_balance)

     balance -= penalty;
   }
}
Public Void getDetails()
{
 System.out.println("Name:" +customer_name);
 System.out.println("Account number:" +acc_number);
 System.out.println("Balance:" +balance);
 System.out.println("check Book facility: YES");
}
}

class daya{
    public static Void main(String args[]) {
 System.out.println("Enter saving account Details:");
  Scanner Sc = new Scanner(system.in);
  System.out.Print("Enter name:");
```

```
System.out.print("Enter name:");
String name1 = SC.next();
System.out.print("Enter acc_number:");
String acc_num1 = SC.next();
System.out.print("Enter amount to deposit:");
double amt1 = SC.nextDouble
System.out.print("Enter time in years:");
int yrs = SC.nextInt();
System.out.print("Enter rate of interest:");
double rate = SC.nextDouble();
System.out.print("Enter amount to withdraw:");
double amt2 = SC.nextDouble();

System.out.println("-----");

System.out.println("Enter current_account Details:");
System.out.print("Enter name:");
String name2 = SC.next();
System.out.print("Enter acc_number:");
String acc_num2 = SC.next();
System.out.print("Enter amount to deposit:");
double amt3 = SC.nextDouble();
```

System.out.Print("Enter amount to Withdraw:")
double amt4 = sc.nextDouble();
System.out.println();

System.out.println("---Bank Account Details----")
Savings_Account S = new Savings_Account(name1,
acc_num1, "Savings_Account")
S.deposit(amt1, yrs, rate);
S.withdraw(amt2);
S.getDetails();

System.out.println("_ _ _ _ _ _ _ _ _ _");
Current_Account C = Current_Account(name2,
acc_num2, "Current_Account");
C.deposit(amt3); 7j+++
C.withdraw(amt4);
C.check();
C.getDetails();
}
}