LAB 5

```
import java.util.*;

class Bank
{
 String name;
 int accno;
 boolean current;
 Scanner SC = new Scanner (System.in);
 Bank ()
 {
  if (this.getClass () == CurrentAcc.class)
  {
   current = true;
  }
  else
  {
   current = false;
  }
  System.out.print ("Enter name :");
  acc_no = sc.nextInt();
  System.out.print ("Enter account no. : ");
{ acc_no = sc.nextInt ();

Void deposit () {
  System.out.print ("Enter deposit amount :");
  acc_no = sc.nextInt()
  balance += sc.nextDouble ();
 }
Void withdraw () {
  System.out.print ("Enter withdraw amount:");
  double withdraw = sc.nextDouble();
```

~~while (withdraw = sc.nextDouble();~~

while (withdraw > balance) {

System.out.print("withdraw amount greater than balance, enter new amount");

}

balance -= withdraw;

if (current && balance < min_balance){

System.out.println("Below min balance 100, removing remaining money in account");

balance = 0;

}

}

void withdraw (double withdraw) {

if (withdraw > balance) {

System.out.println("withdraw amount greater than balance");

}

if (current && balance < min_balance)

{

System.out.println("Below min balace 100, removing remaining money in account");

balance = 0;

}

}

void ShowBalance() {

System.out.print("balance = "+balance);

}

}

class CurrentAcc extends Account {

void cheque() {

System.out.print("Enter cheque amount");

double cheque = sc.nextDouble();

withdraw(cheque);

```
System.out.println ("cheque created - ..." );
    }
}
class savingsAcc extends Account {
void compound (int t, int r)
    {
      balance = balance* (Math.pow (1+ ((double) r / 100)), t));
      System.out.print ("Balance after given rate and time = " + balance);
    }
}
```

Output :

```
Enter name : john
Enter account no : 1
Enter name : smith
Enter account no : 2

  — Menu —

1] Deposit
2] withdraw
3] compute interest for savings Acc
4] Display account details
5] Create cheque
6] Exit
choice :
  1
```

Enter account no: 1

Enter deposit amount: 100

Enter account no: 2

--- Menu ---

1] Deposit
2] Withdraw
3] Compute interest for savings ACC
4] Display account details
5] Create cheque
6] Exit

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