Lab-5

```
import java.util.Scanner

class Account {
    String name;
    String Accno;
    boolean current;
    double balance = 0;
    int main balance = 0;
    Scanner sc = new Scanner (System.in);
    Account () {
        if (this.getclass() = current Acc class
            current = true;
    }
    else {
        current = false;

}

    name = sc.next();
    System.out.println("Enter account no.:");
    acc_no = sc.nextInt();
}
void deposit () {
    System.out.println ("Enter deposit amount
    );
    balance += sc.nextDouble();

void withdrawal () {
    System.out.println ("Enter deposit amount);
    if (amount > this.balance) {
        System.out.println ("not enough
    balance");
    }
```

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        else {
            this.balance -= amount;
        }

    void showBalance() {
        System.out.println("Balance = "+balance);
    }

void CurrentAcc extends Account {
    void cheque() {
        System.out.println("Enter
    cheque amount: ")
    double cheque = sc.nextDouble();
    withdraw(cheque);
    System.out.println("Cheque created
    }
}
class SavingsAcc extends Acc {

    void compound (int p, int t) {
        balance = balance * (Math.pow((1+
    (double)r/200), t));
        System.out.println("Balance of the given
    date and time = "+balance);
    }
}
class Bank {
    public static void main (String[] args) {
        SavingsAcc john = new SavingAcc();
        CurrentAcc Smith = new CurrentAcc();
        Account ref = null;
        System.out.println("---- menu ----");
        System.out.println("1. Deposit 2. Withdraw
                            3. Compound interest
```

classmate
Date
Page

```
\n4 Display Account details
\n5 create cheque \n6 Exit \n choice");

choice = sc.nextInt();
System.out.println("Enter account no:");
acc = sc.nextInt();
if (acc == 1) {
    ref = joun;
}
else {
    ref = smith;
}
while (choice != 6) {
    ref.deposit();
}
else if (choice == 2) {
    ref.withdrawal();
}
else if (choice == 3) {
    if (acc == 1) {
        john.compound(1,5);
    else if (choice == 4)
        ref.showbalance();
}

System.out.println("Enter acc no.");
acc = sc.nextInt();
choice = sc.nextInt
```

OUTPUT:-

Enter account name : John
Enter account number : 1

..... MENU .....

1) Deposit
2) withdraw
3) compute interest for savings A.c
4) Display account details
5) create cheque
6) Exit
Choice : 1.
Enter account no. 1
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
choice 1
enter account no : 1
Enter deposit amount : 100.
Enter acc. no. : 2.
Enter choice : 6.

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