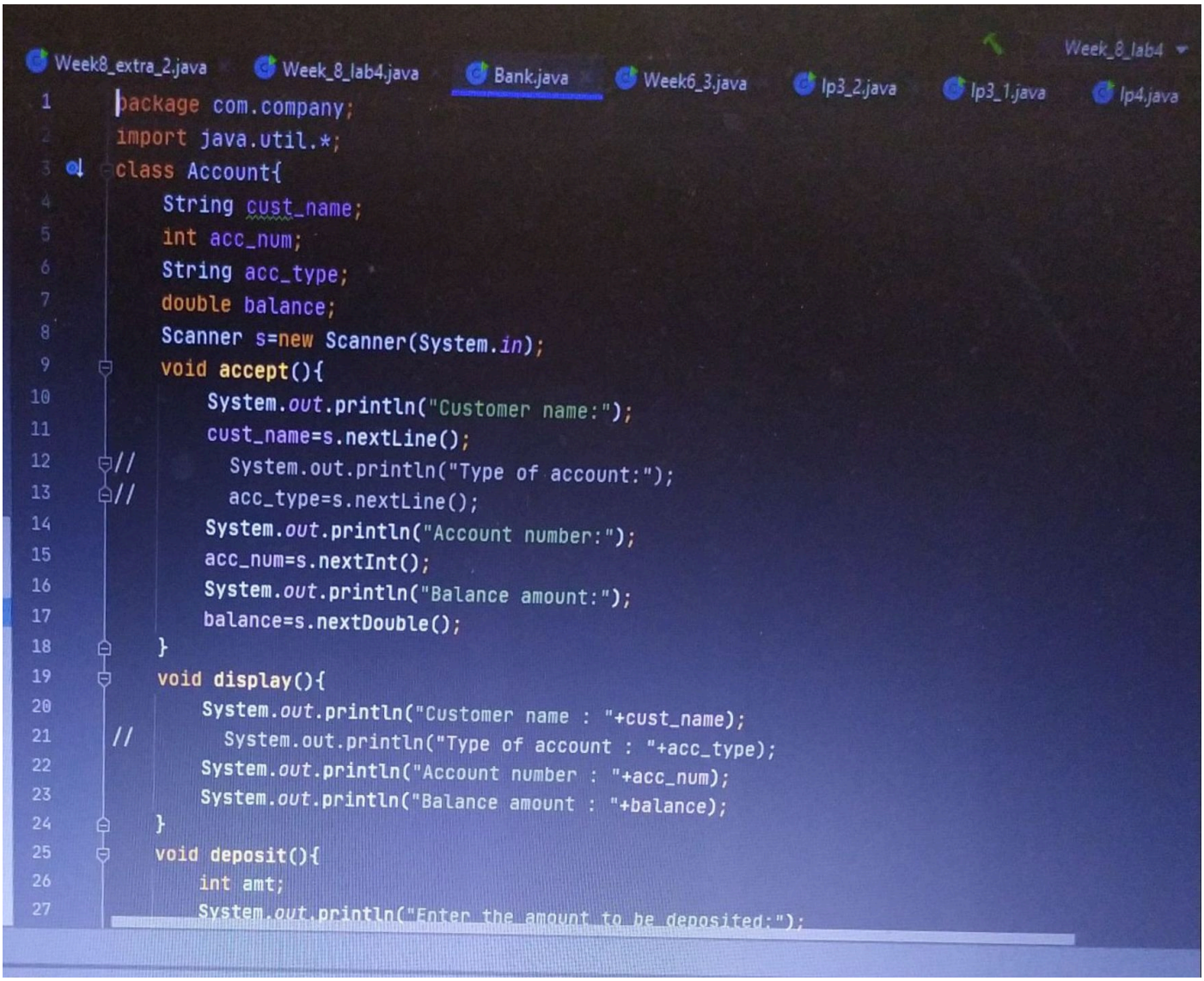
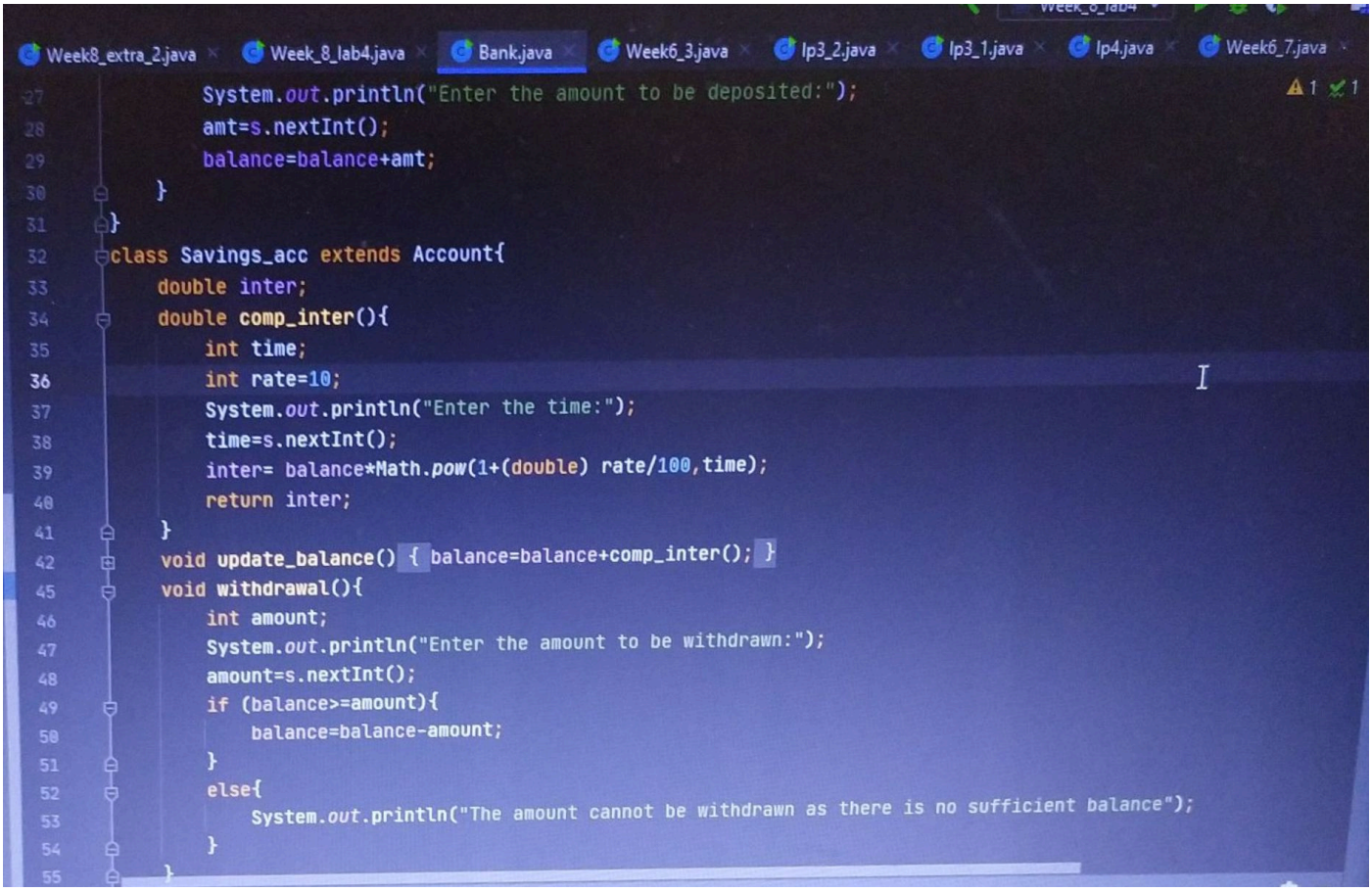
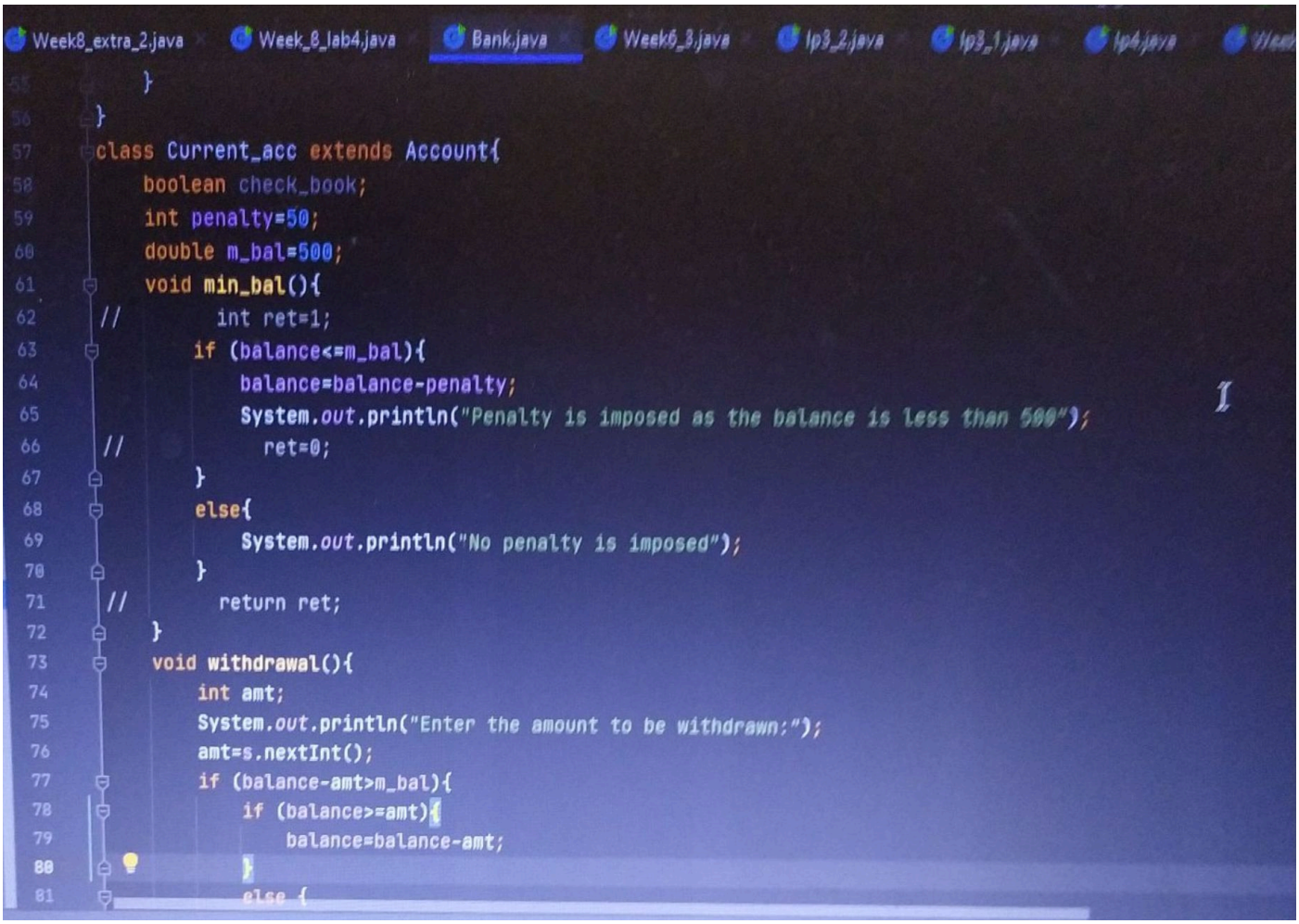
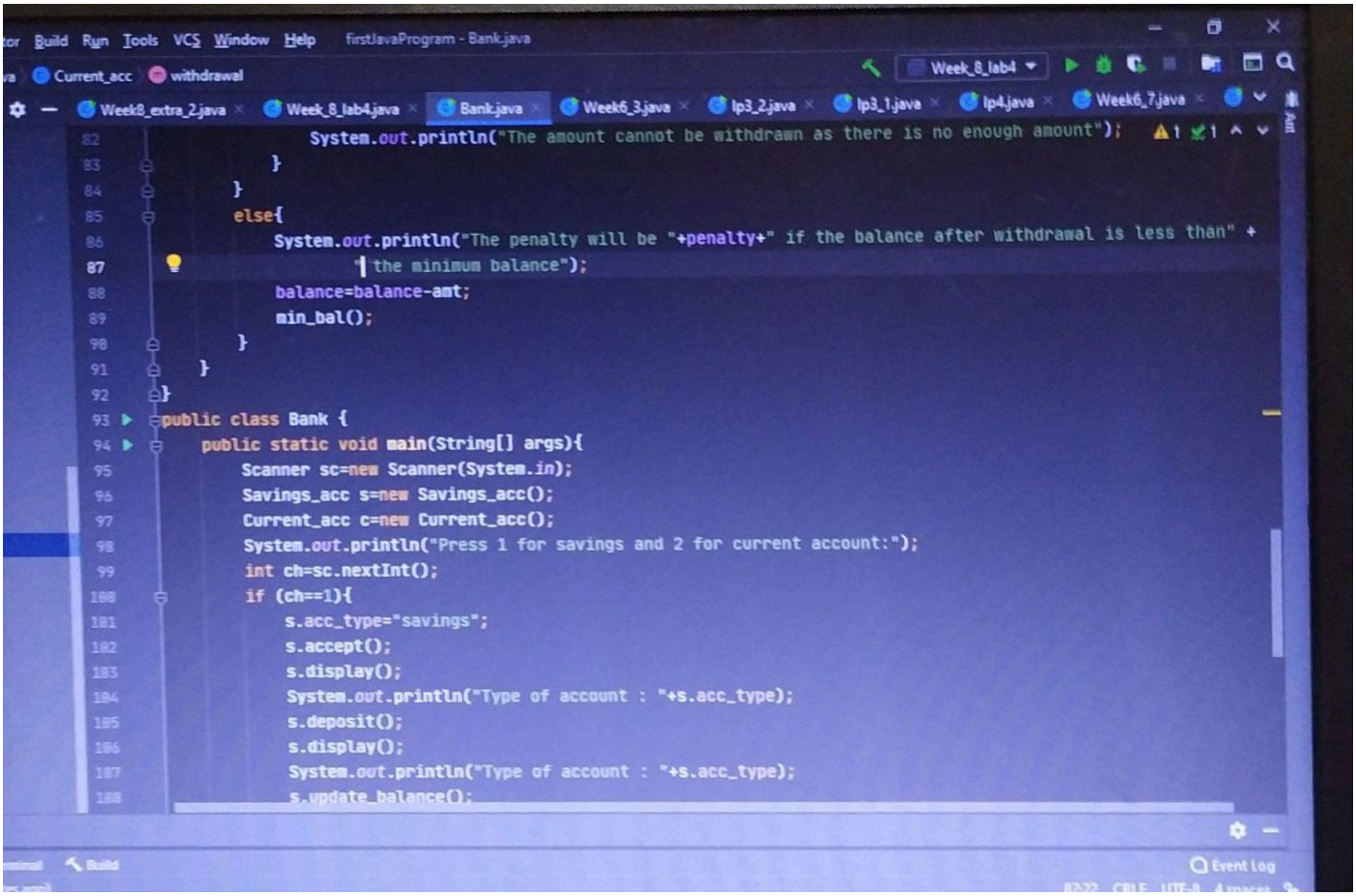
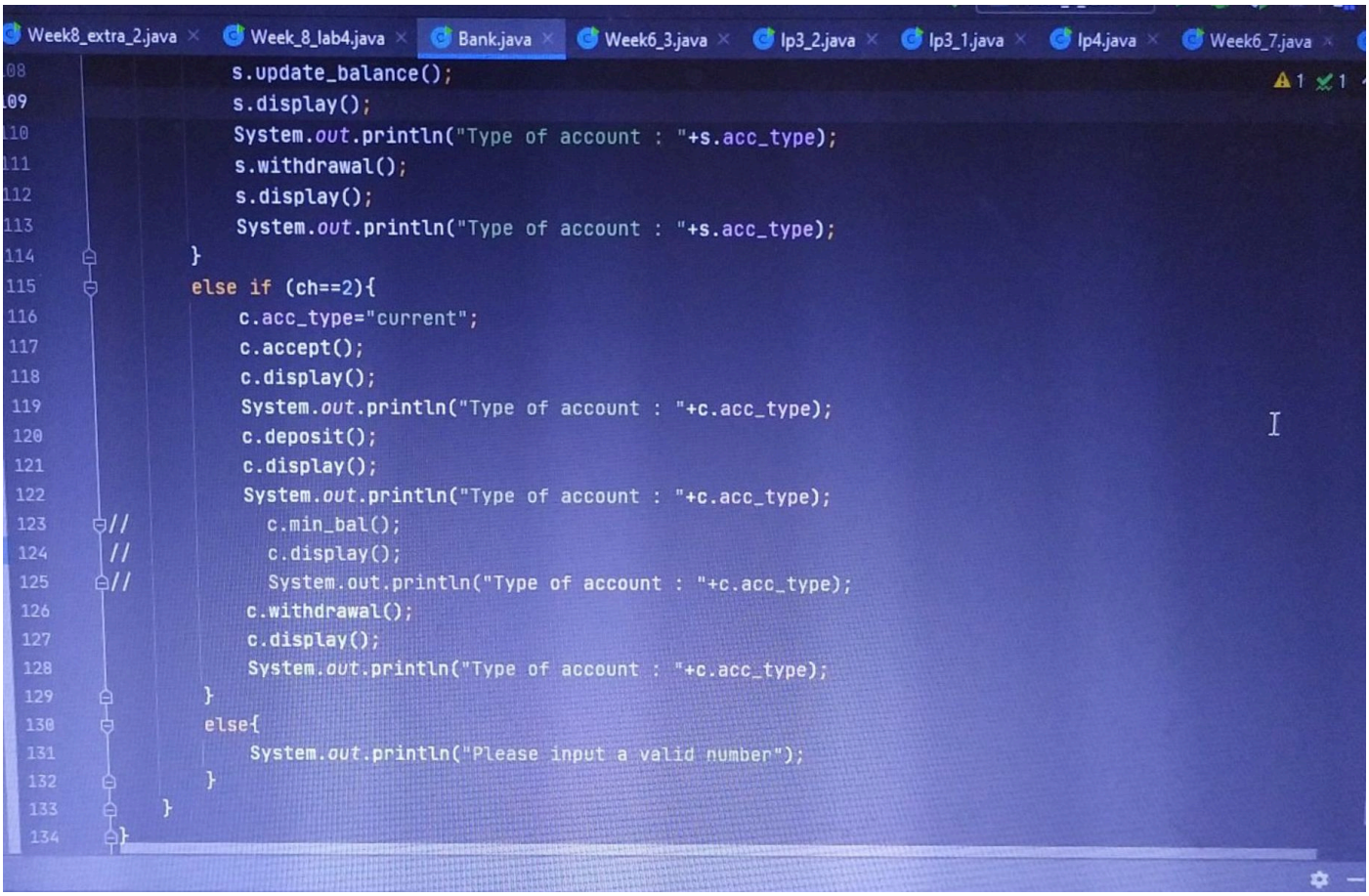
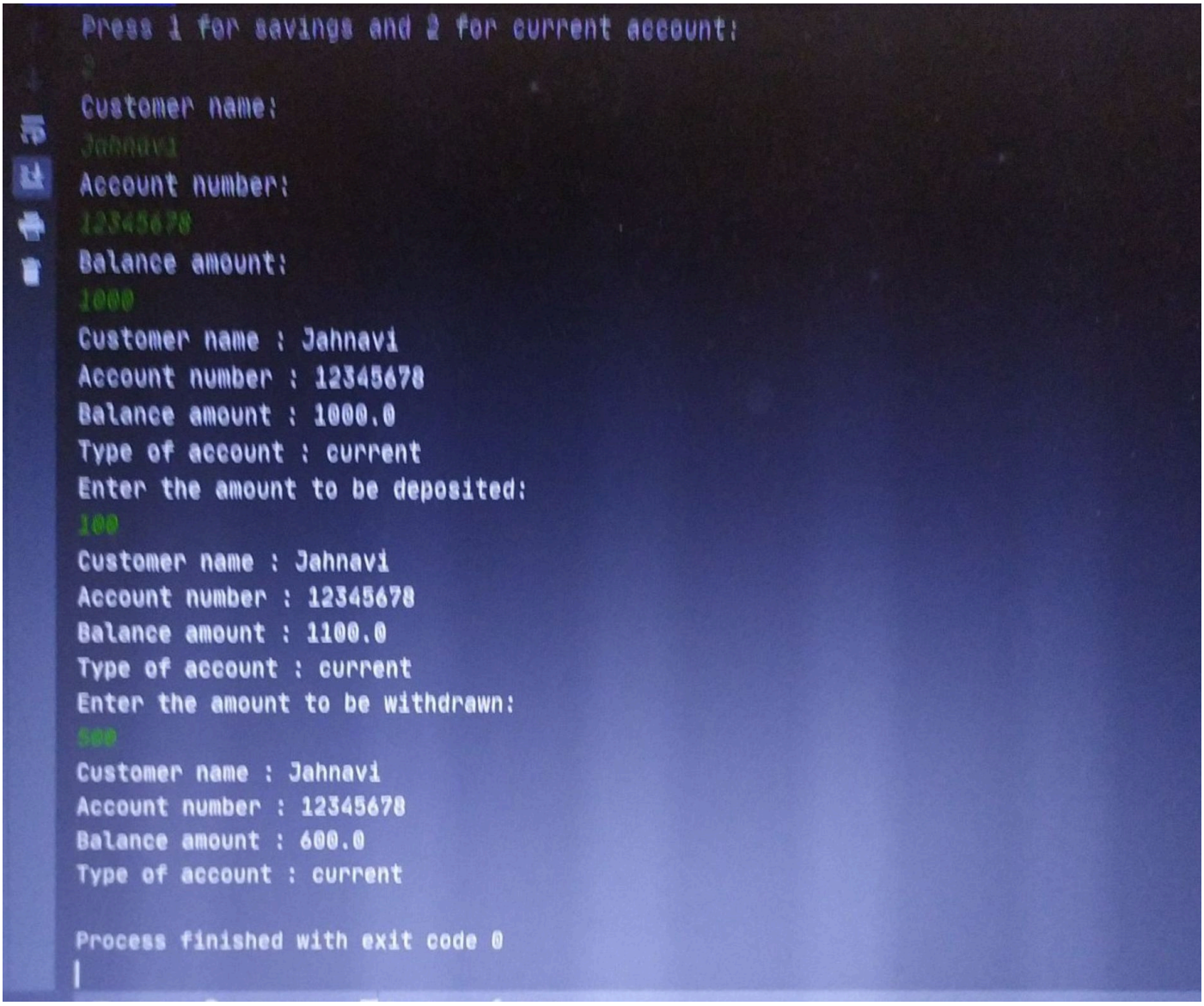

Week8_extra_2.java
Week_8_lab4.java
Bank.java
Week6_3.java
lp3_2.java
lp3_1.java
lp4.java
Week_8_lab4
package com.company;
import java.util.*;
class Account{
String cust_name;
int acc_num;
String acc_type;
double balance;
Scanner s=new Scanner(System.in);
void accept(){
System.out.println("Customer name:");
cust_name=s.nextLine();
// System.out.println("Type of account:");
// acc_type=s.nextLine();
System.out.println("Account number:");
acc_num=s.nextInt();
System.out.println("Balance amount:");
balance=s.nextDouble();
}
void display(){
System.out.println("Customer name : "+cust_name);
// System.out.println("Type of account : "+acc_type);
System.out.println("Account number : "+acc_num);
System.out.println("Balance amount : "+balance);
}
void deposit(){
int amt;
System.out.println("Enter the amount to be deposited:");


Week8_extra_2.java
Week_8_lab4.java
Bank.java
Week6_3.java
lp3_2.java
lp3_1.java
lp4.java
Week6_7.java
System.out.println("Enter the amount to be deposited:");
amt=s.nextInt();
balance=balance+amt;
}
}
class Savings_acc extends Account{
double inter;
double comp_inter(){
int time;
int rate=10;
System.out.println("Enter the time:");
time=s.nextInt();
inter= balance*Math.pow(1+(double) rate/100,time);
return inter;
}
void update_balance() { balance=balance+comp_inter(); }
void withdrawal(){
int amount;
System.out.println("Enter the amount to be withdrawn:");
amount=s.nextInt();
if (balance>=amount){
balance=balance-amount;
}
else{
System.out.println("The amount cannot be withdrawn as there is no sufficient balance");
}


Week8_extra_2.java
Week_8_lab4.java
Bank.java
Week6_3.java
lp3_2.java
lp3_1.java
lp4.java
}
}
class Current_acc extends Account{
boolean check_book;
int penalty=50;
double m_bal=500;
void min_bal(){
// int ret=1;
if (balance<=m_bal){
balance=balance-penalty;
System.out.println("Penalty is imposed as the balance is less than 500");
// ret=0;
}
else{
System.out.println("No penalty is imposed");
}
// return ret;
}
void withdrawal(){
int amt;
System.out.println("Enter the amount to be withdrawn:");
amt=s.nextInt();
if (balance-amt>m_bal){
if (balance>=amt){
balance=balance-amt;
}
else {


Build Run Tools VCS Window Help firstJavaProgram - Bank.java
Current_acc withdrawal
Week_8_lab4
Week8_extra_2.java Week_8_lab4.java Bank.java Week6_3.java lp3_2.java lp3_1.java lp4.java Week6_7.java
System.out.println("The amount cannot be withdrawn as there is no enough amount");
}
}
else{
System.out.println("The penalty will be "+penalty+" if the balance after withdrawal is less than" +
" the minimum balance");
balance=balance-amt;
min_bal();
}
}
}
public class Bank {
public static void main(String[] args){
Scanner sc=new Scanner(System.in);
Savings_acc s=new Savings_acc();
Current_acc c=new Current_acc();
System.out.println("Press 1 for savings and 2 for current account:");
int ch=sc.nextInt();
if (ch==1){
s.acc_type="savings";
s.accept();
s.display();
System.out.println("Type of account : "+s.acc_type);
s.deposit();
s.display();
System.out.println("Type of account : "+s.acc_type);
s.update_balance();
Build
Event Log


Week8_extra_2.java
Week_8_lab4.java
Bank.java
Week6_3.java
lp3_2.java
lp3_1.java
lp4.java
Week6_7.java
s.update_balance();
s.display();
System.out.println("Type of account : "+s.acc_type);
s.withdrawal();
s.display();
System.out.println("Type of account : "+s.acc_type);
}
else if (ch==2){
c.acc_type="current";
c.accept();
c.display();
System.out.println("Type of account : "+c.acc_type);
c.deposit();
c.display();
System.out.println("Type of account : "+c.acc_type);
// c.min_bal();
// c.display();
// System.out.println("Type of account : "+c.acc_type);
c.withdrawal();
c.display();
System.out.println("Type of account : "+c.acc_type);
}
else{
System.out.println("Please input a valid number");
}
}
}


Press 1 for savings and 2 for current account:
2
Customer name:
Jahnavi
Account number:
12345678
Balance amount:
1000
Customer name : Jahnavi
Account number : 12345678
Balance amount : 1000.0
Type of account : current
Enter the amount to be deposited:
100
Customer name : Jahnavi
Account number : 12345678
Balance amount : 1100.0
Type of account : current
Enter the amount to be withdrawn:
500
Customer name : Jahnavi
Account number : 12345678
Balance amount : 600.0
Type of account : current
Process finished with exit code 0