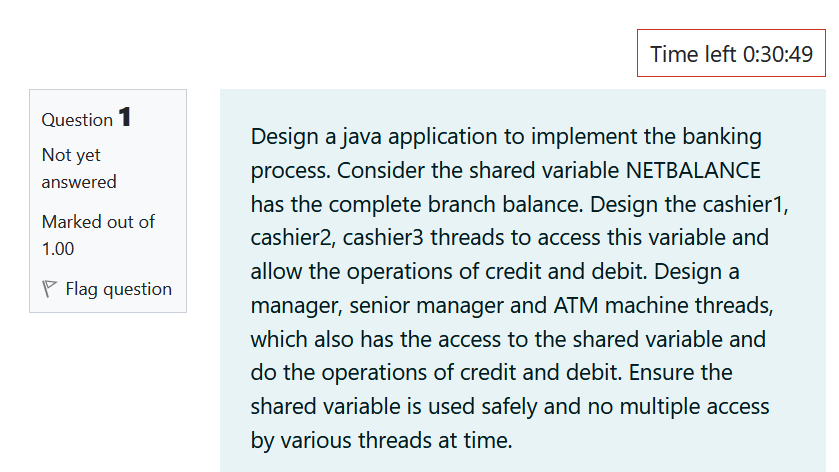
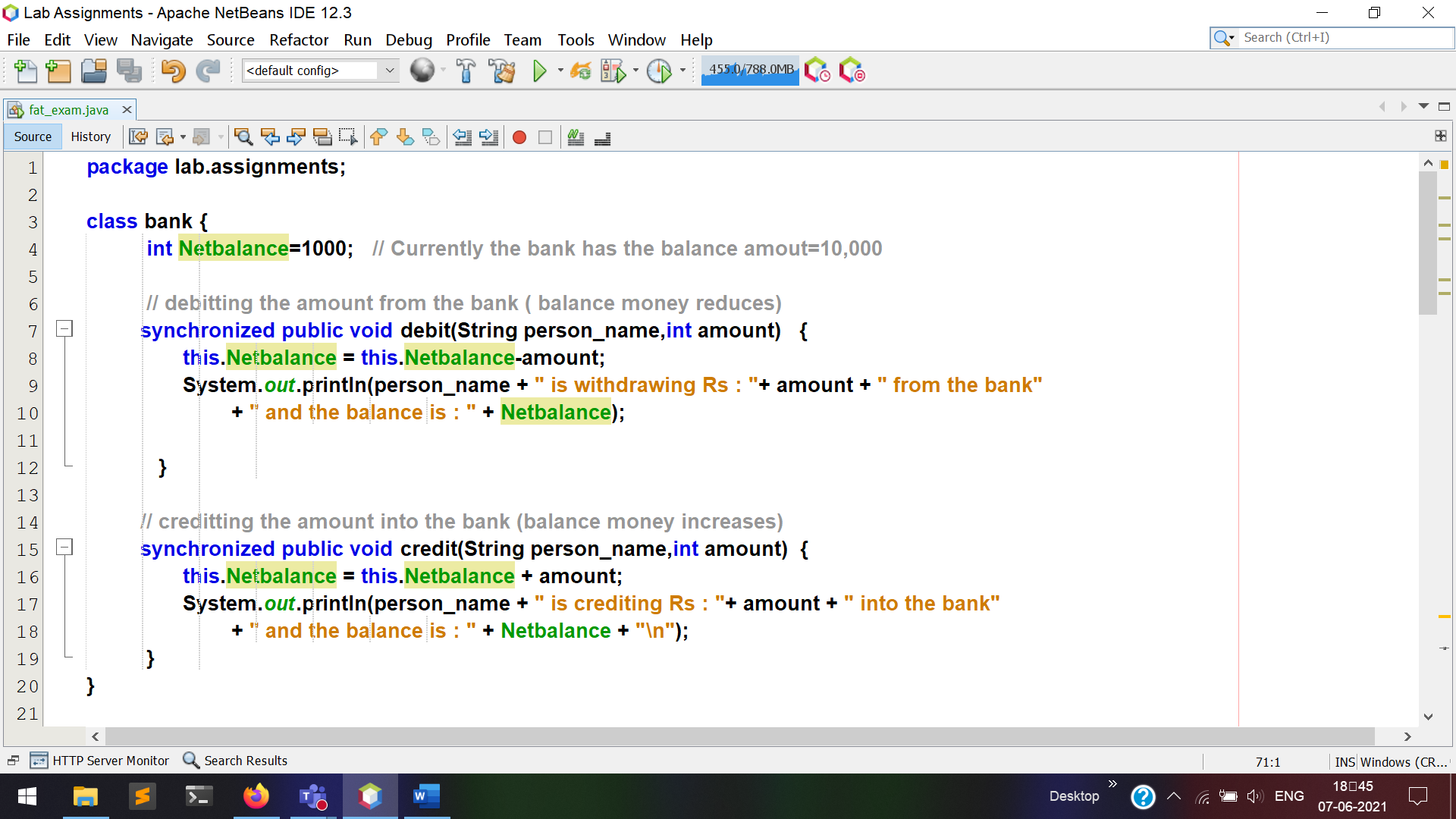
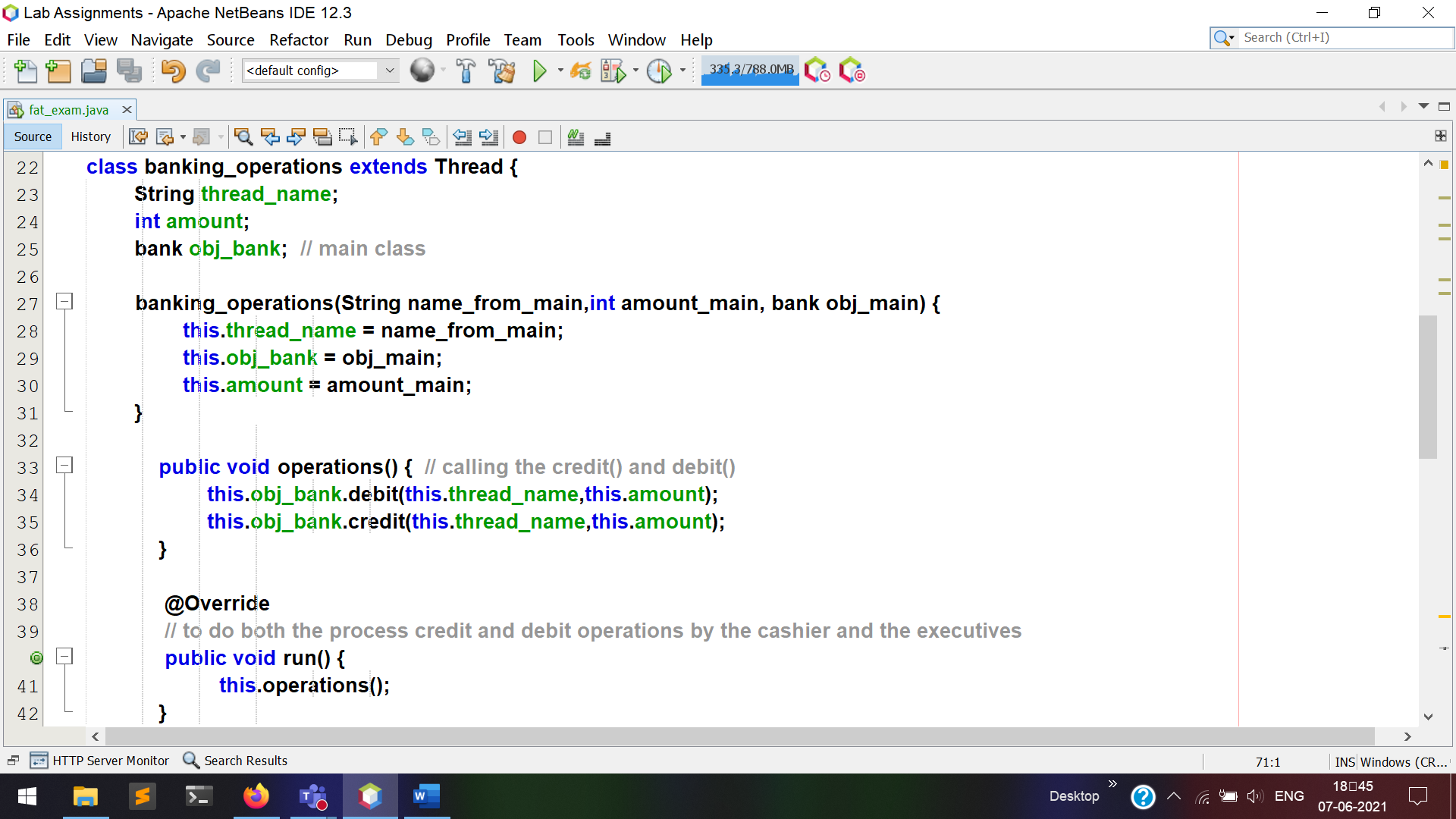
**JAVA LAB FAT Prashanth.S(19MID0020)**

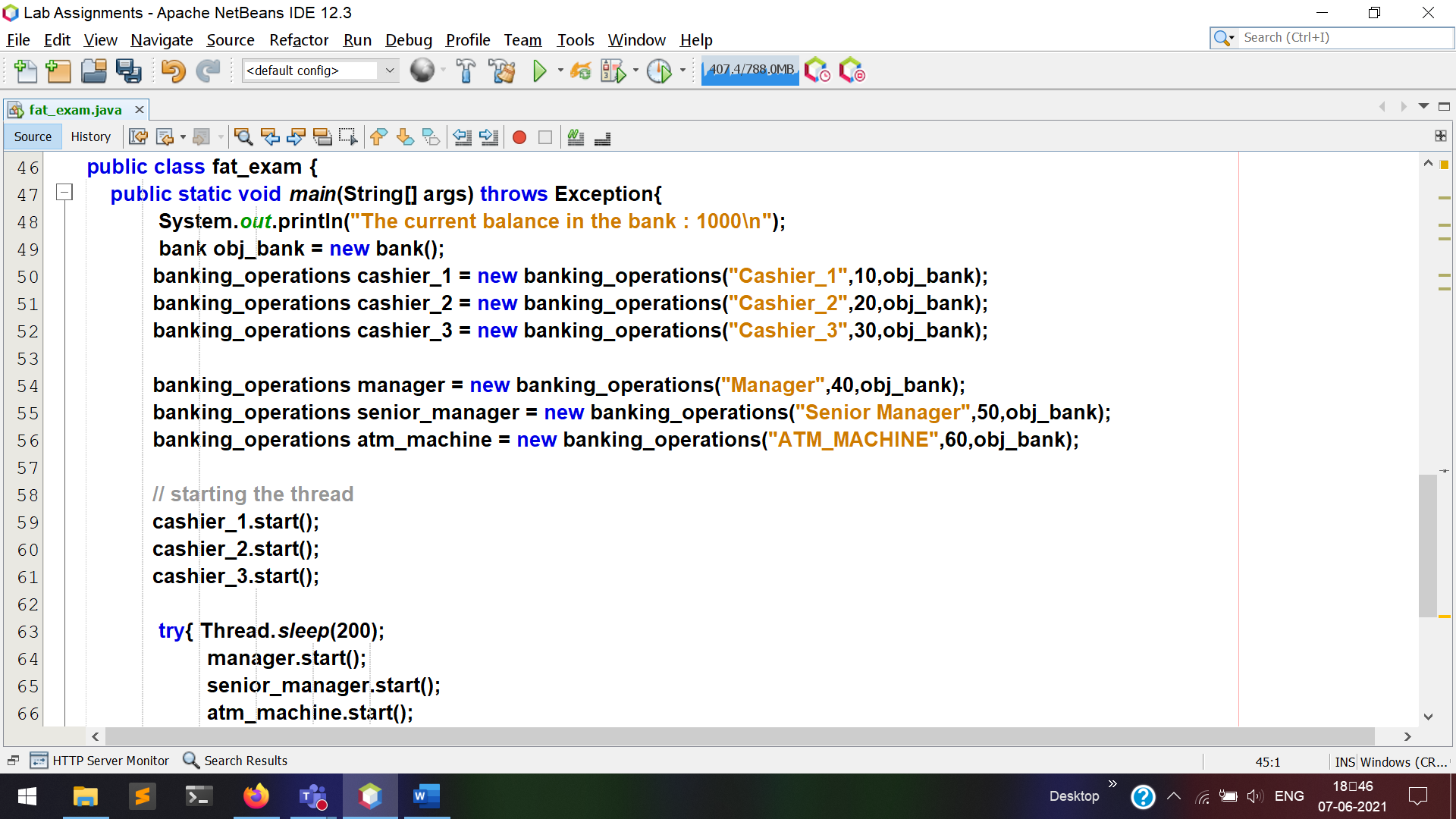
**Question**

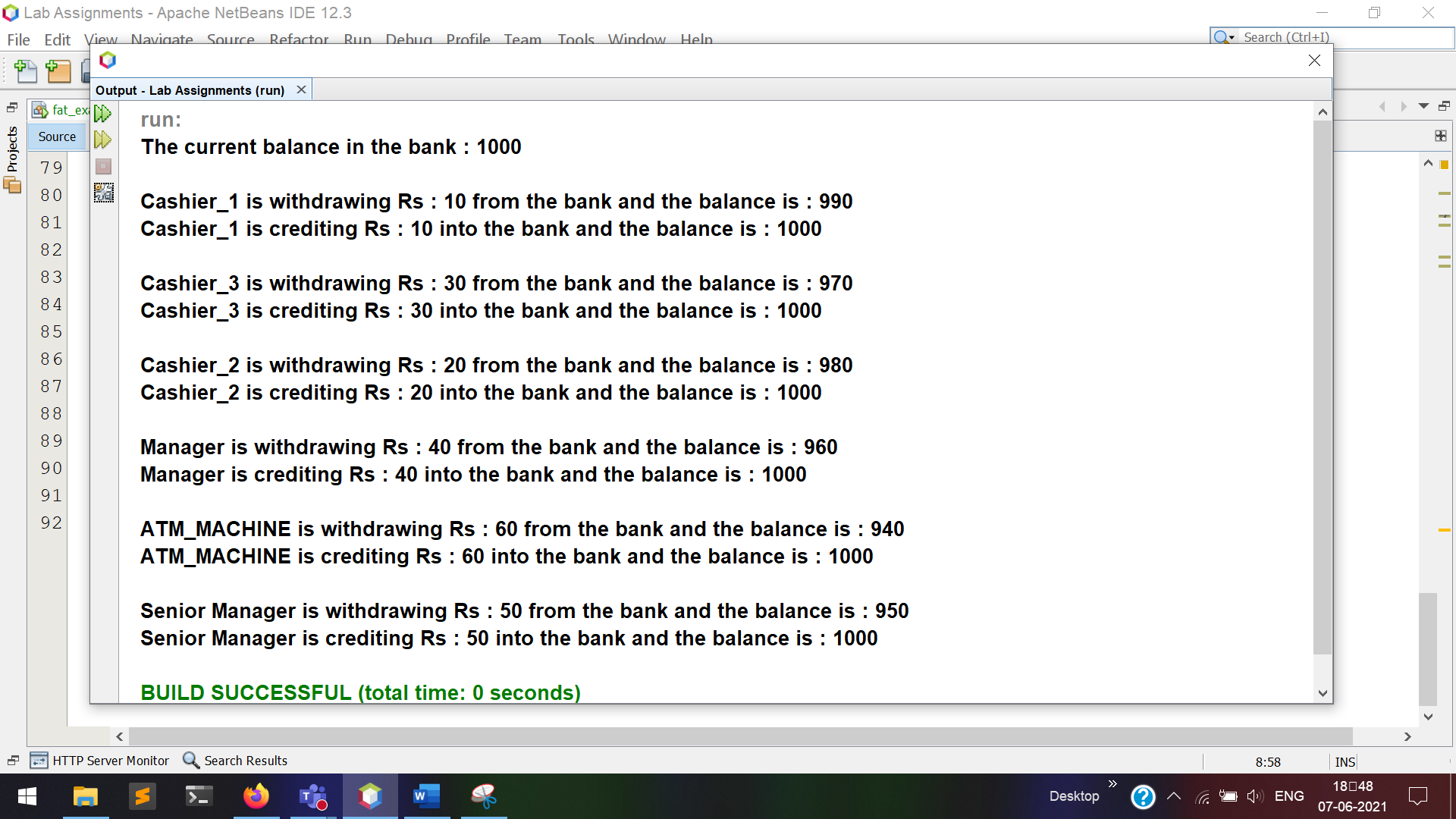


**Code screen shot**






**Output**

**Actual Code**

package lab.assignments;

class bank {

int Netbalance=1000; // Currently the bank has the balance amout=10,000

// debitting the amount from the bank ( balance money reduces)

synchronized public void debit(String person\_name,int amount) {

this.Netbalance = this.Netbalance-amount;

System.out.println(person\_name + " is withdrawing Rs : "+ amount + " from the bank"

+ " and the balance is : " + Netbalance);

}

// creditting the amount into the bank (balance money increases)

synchronized public void credit(String person\_name,int amount) {

this.Netbalance = this.Netbalance + amount;

System.out.println(person\_name + " is crediting Rs : "+ amount + " into the bank"

+ " and the balance is : " + Netbalance + "\n");

}

}

class banking\_operations extends Thread {

String thread\_name;

int amount;

bank obj\_bank; // main class

banking\_operations(String name\_from\_main,int amount\_main, bank obj\_main) {

this.thread\_name = name\_from\_main;

this.obj\_bank = obj\_main;

this.amount = amount\_main;

}

public void operations() { // calling the credit() and debit()

this.obj\_bank.debit(this.thread\_name,this.amount);

this.obj\_bank.credit(this.thread\_name,this.amount);

}

@Override

// to do both the process credit and debit operations by the cashier and the executives

public void run() {

this.operations();

}

}

public class fat\_exam {

public static void main(String[] args) throws Exception{

System.out.println("The current balance in the bank : 1000\n");

bank obj\_bank = new bank();

banking\_operations cashier\_1 = new banking\_operations("Cashier\_1",10,obj\_bank);

banking\_operations cashier\_2 = new banking\_operations("Cashier\_2",20,obj\_bank);

banking\_operations cashier\_3 = new banking\_operations("Cashier\_3",30,obj\_bank);

banking\_operations manager = new banking\_operations("Manager",40,obj\_bank);

banking\_operations senior\_manager = new banking\_operations("Senior Manager",50,obj\_bank);

banking\_operations atm\_machine = new banking\_operations("ATM\_MACHINE",60,obj\_bank);

// starting the thread

cashier\_1.start();

cashier\_2.start();

cashier\_3.start();

try{ Thread.sleep(200);

manager.start();

senior\_manager.start();

atm\_machine.start();

}catch(Exception e){};

}

}