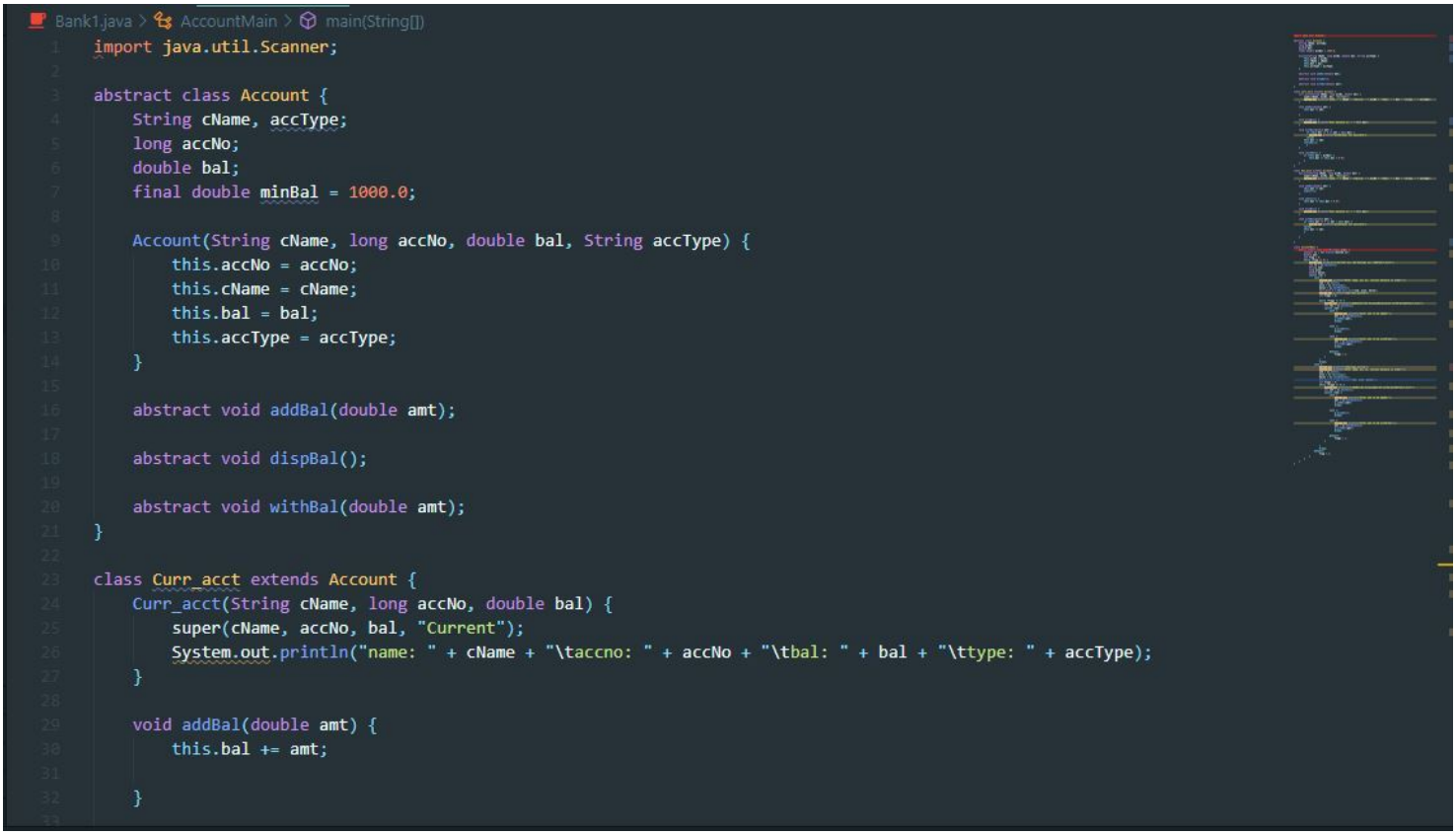
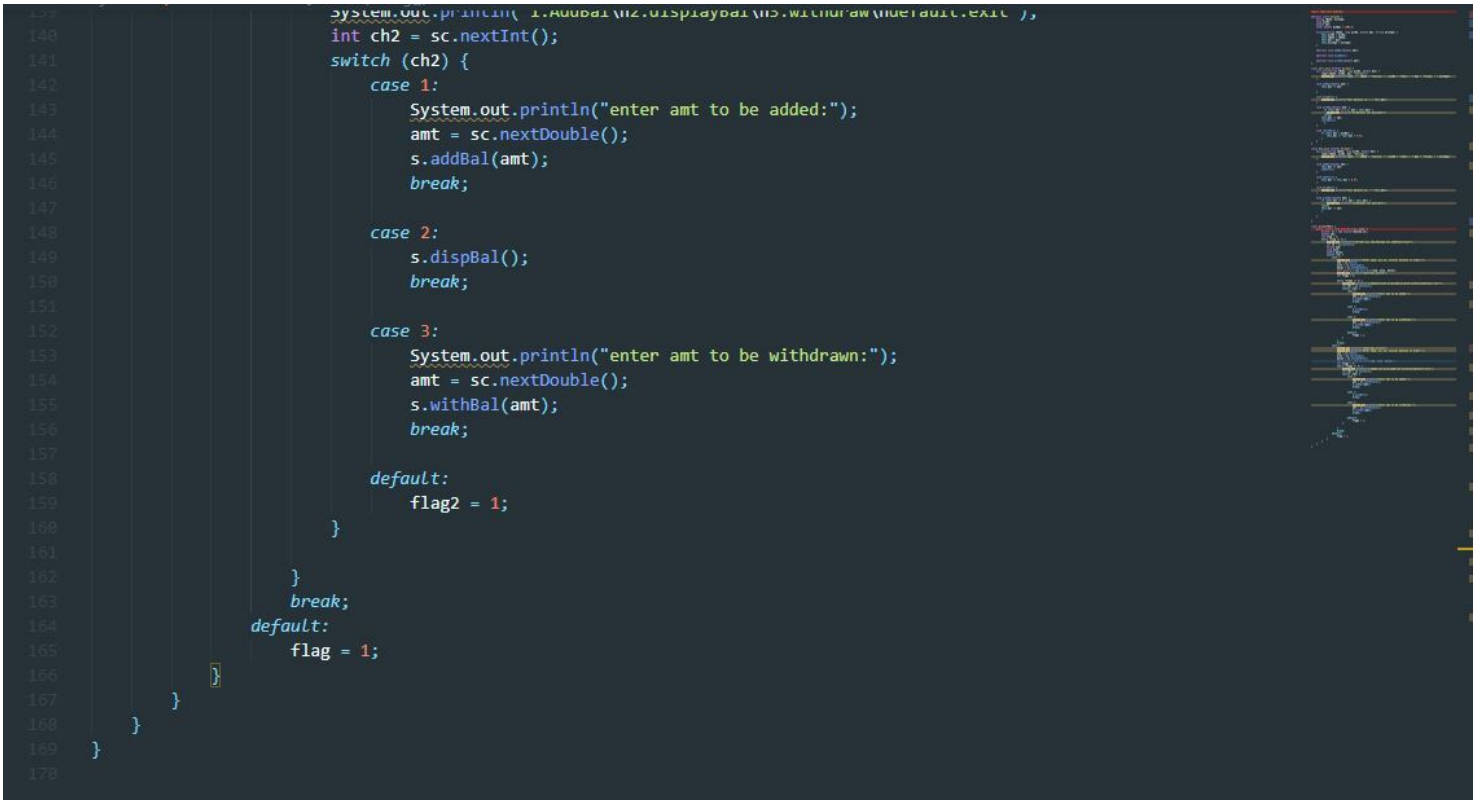

Bank1.java > AccountMain > main(String[])
import java.util.Scanner;
abstract class Account {
String cName, accType;
long accNo;
double bal;
final double minBal = 1000.0;
Account(String cName, long accNo, double bal, String accType) {
this.accNo = accNo;
this.cName = cName;
this.bal = bal;
this.accType = accType;
}
abstract void addBal(double amt);
abstract void dispBal();
abstract void withBal(double amt);
}
class Curr_acct extends Account {
Curr_acct(String cName, long accNo, double bal) {
super(cName, accNo, bal, "Current");
System.out.println("name: " + cName + "\taccno: " + accNo + "\tbal: " + bal + "\ttype: " + accType);
}
void addBal(double amt) {
this.bal += amt;
}

```
        this.bal += amt;

    }

    void dispBal() {
        System.out.println("Your balance is: " + this.bal);
    }

    void withBal(double amt) {
          if (this.bal == 0 || amt > this.bal) {
            System.out.println("withdrawal not possible");
          }else{
        this.bal -= amt;
        checkBal();
          }
    }

    void checkBal() {
        if (this.bal < minBal) {
            this.bal -= this.bal * 0.02;
        }
    }
}

class Sav_acct extends Account {
    Sav_acct(String cName, long accNo, double bal) {
        super(cName, accNo, bal, "Savings");
        System.out.println("name: " + cName + "\taccno: " + accNo + "\tbal: " + bal + "\ttype: " + accType);
    }

    void addBal(double amt) {
        this.bal += amt;
        addIntr();
```

```
    void addBal(double amt) {
        this.bal += amt;
        addIntr();
    }

    void addIntr() {
        this.bal += this.bal * 0.07;
    }

    void dispBal() {
        System.out.println("Your balance is: " + this.bal);
    }

    void withBal(double amt) {
        if (this.bal == 0 || amt > this.bal) {
            System.out.println("withdrawal not possible");
        }else{
        this.bal -= amt;
        }

    }

}

class AccountMain {
    Run | Debug
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        Double amt;
        int flag = 0;
        while (flag == 0) {
            System.out.println("1:Current acc \n2:Savings acc \ndefault:exit");
```

```
Run | Debug
public static void main(String[] args) {
    Scanner sc = new Scanner(System.in);
    Double amt;
    int flag = 0;
    while (flag == 0) {
        System.out.println("1:Current acc.\n2:Savings acc.\ndefault:exit");
        int ch = sc.nextInt();
        String nam;
        long acno;
        double balan;
        switch (ch) {
            case 1:
                System.out.println("Enter name, acc no, initial balance in order:");
                nam = sc.next();
                acno = sc.nextLong();
                balan = sc.nextDouble();
                Curr_acct c = new Curr_acct(nam, acno, balan);
                System.out.println("\nCurrent_acct\n");
                int flag1 = 0;

                while (flag1 == 0) {
                    System.out.println("1:Addamount\n2:displayBalance\n3:withdraw\ndefault:exit");
                    int ch1 = sc.nextInt();
                    switch (ch1) {
                        case 1:
                            System.out.println("enter amt to be added:");
                            amt = sc.nextDouble();
                            c.addBal(amt);
                            break;

                        case 2:
                            c.dispBal();
```

```
                    break;

                case 2:
                    c.dispBal();
                    break;

                case 3:
                    System.out.println("enter amt to be withdrawn:");
                    amt = sc.nextDouble();
                    c.withBal(amt);
                    break;

                default:
                    flag1 = 1;
            }
        }
        break;
    case 2:
        System.out.println("\nSavings_acct\n");
        System.out.println("Enter name, acc no, initial balance in order:");
        nam = sc.next();
        acno = sc.nextLong();
        balan = sc.nextDouble();
        Sav_acct s = new Sav_acct(nam, acno, balan);
        int flag2 = 0;
        while (flag2 == 0) {
            System.out.println("1:AddBal\n2:displayBal\n3:withdraw\ndefault:exit");
            int ch2 = sc.nextInt();
            switch (ch2) {
                case 1:
                    System.out.println("enter amt to be added:");
                    amt = sc.nextDouble();
                    s.addBal(amt);
```


System.out.println(" 1.AddBal\n2.displayBal\n3.withdraw\ndefault.exit ");
int ch2 = sc.nextInt();
switch (ch2) {
case 1:
System.out.println("enter amt to be added:");
amt = sc.nextDouble();
s.addBal(amt);
break;
case 2:
s.dispBal();
break;
case 3:
System.out.println("enter amt to be withdrawn:");
amt = sc.nextDouble();
s.withBal(amt);
break;
default:
flag2 = 1;
}
}
break;
default:
flag = 1;
}
}
}
}

```
E:\jdk8\bin\ooj lab>java AccountMain
1:Current acc.
2:Savings acc.
default:exit
1
Enter name, acc no, initial balance in order:
nakdkd 123456778 5000
name: nakdkd    accno: 123456778        bal: 5000.0     type: Current

Current_acct

1:Addamount
2:displayBalance
3:withdraw
default:exit
1
enter amt to be added:
4000
1:Addamount
2:displayBalance
3:withdraw
default:exit
2
Your balance is: 9000.0
1:Addamount
2:displayBalance
3:withdraw
default:exit
3
enter amt to be withdrawn:
8100
1:Addamount
2:displayBalance
3:withdraw
default:exit
2
Your balance is: 882.0
1:Addamount
2:displayBalance
3:withdraw
default:exit
3
```

```
default:exit
2
Your balance is: 882.0
1:Addamount
2:displayBalance
3:withdraw
default:exit
3
enter amt to be withdrawn:
100
1:Addamount
2:displayBalance
3:withdraw
default:exit
4
1:Current acc.
2:Savings acc.
default:exit
2

Savings_acct

Enter name, acc no, initial balance in order:
nasdr 12457467 5000
name: nasdr     accno: 12457467 bal: 5000.0     type: Savings
1:AddBal
2:displayBal
3:withdraw
default:exit
1
enter amt to be added:
1000
1:AddBal
2:displayBal
3:withdraw
default:exit
2
Your balance is: 6420.0
1:AddBal
2:displayBal
3:withdraw
default:exit
3
enter amt to be withdrawn:
```

```
Enter name, acc no, initial balance in order:
nasdr 12457467 5000
name: nasdr     accno: 12457467 bal: 5000.0     type: Savings
1:AddBal
2:displayBal
3:withdraw
default:exit
1
enter amt to be added:
1000
1:AddBal
2:displayBal
3:withdraw
default:exit
2
Your balance is: 6420.0
1:AddBal
2:displayBal
3:withdraw
default:exit
3
enter amt to be withdrawn:
4000
1:AddBal
2:displayBal
3:withdraw
default:exit
2
Your balance is: 2420.0
1:AddBal
2:displayBal
3:withdraw
default:exit
4
1:Current acc.
2:Savings acc.
default:exit
4

E:\jdk8\bin\ooj lab>
```