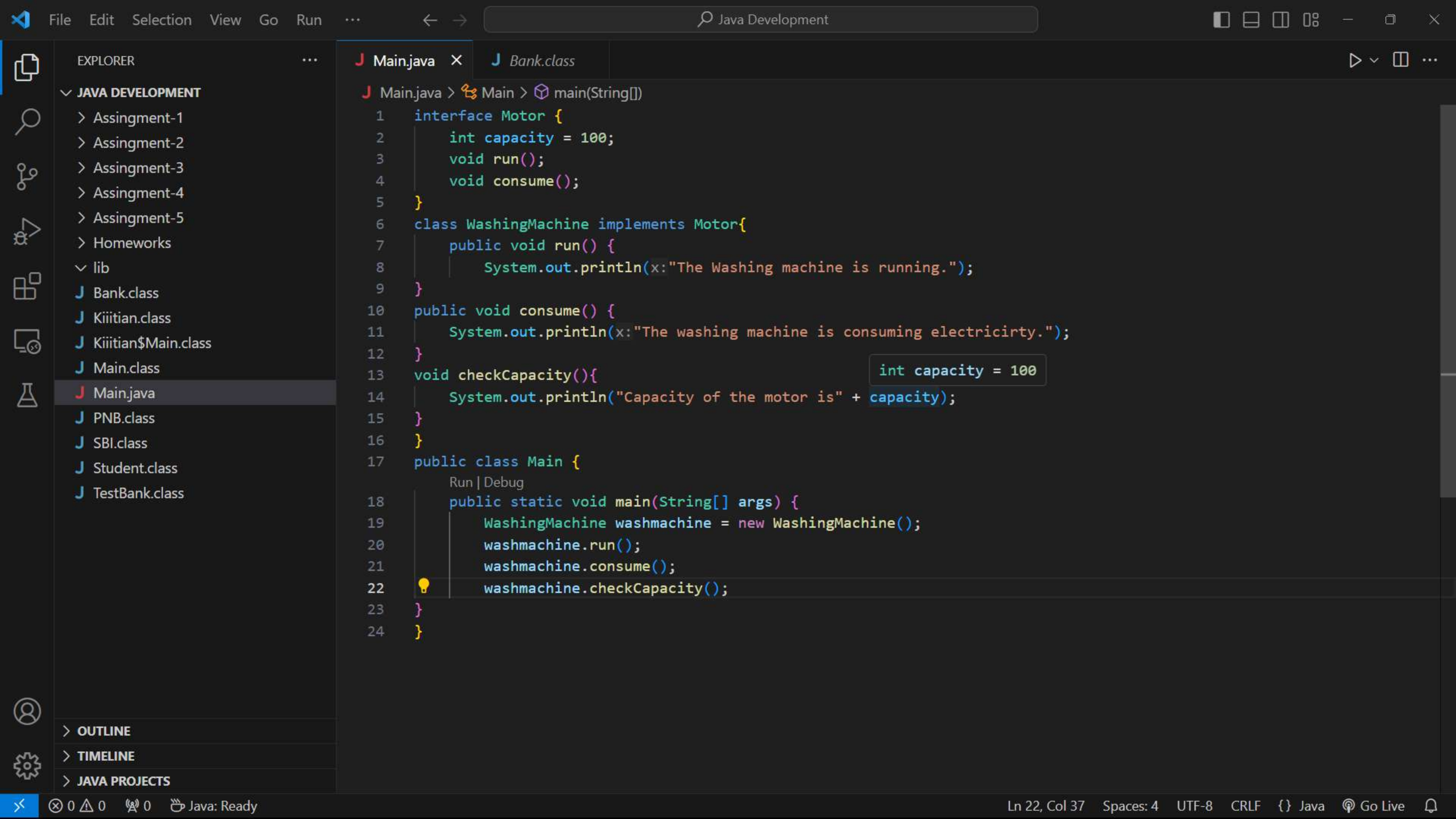
File Edit Selection View Go Run
Java Development
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Main.java
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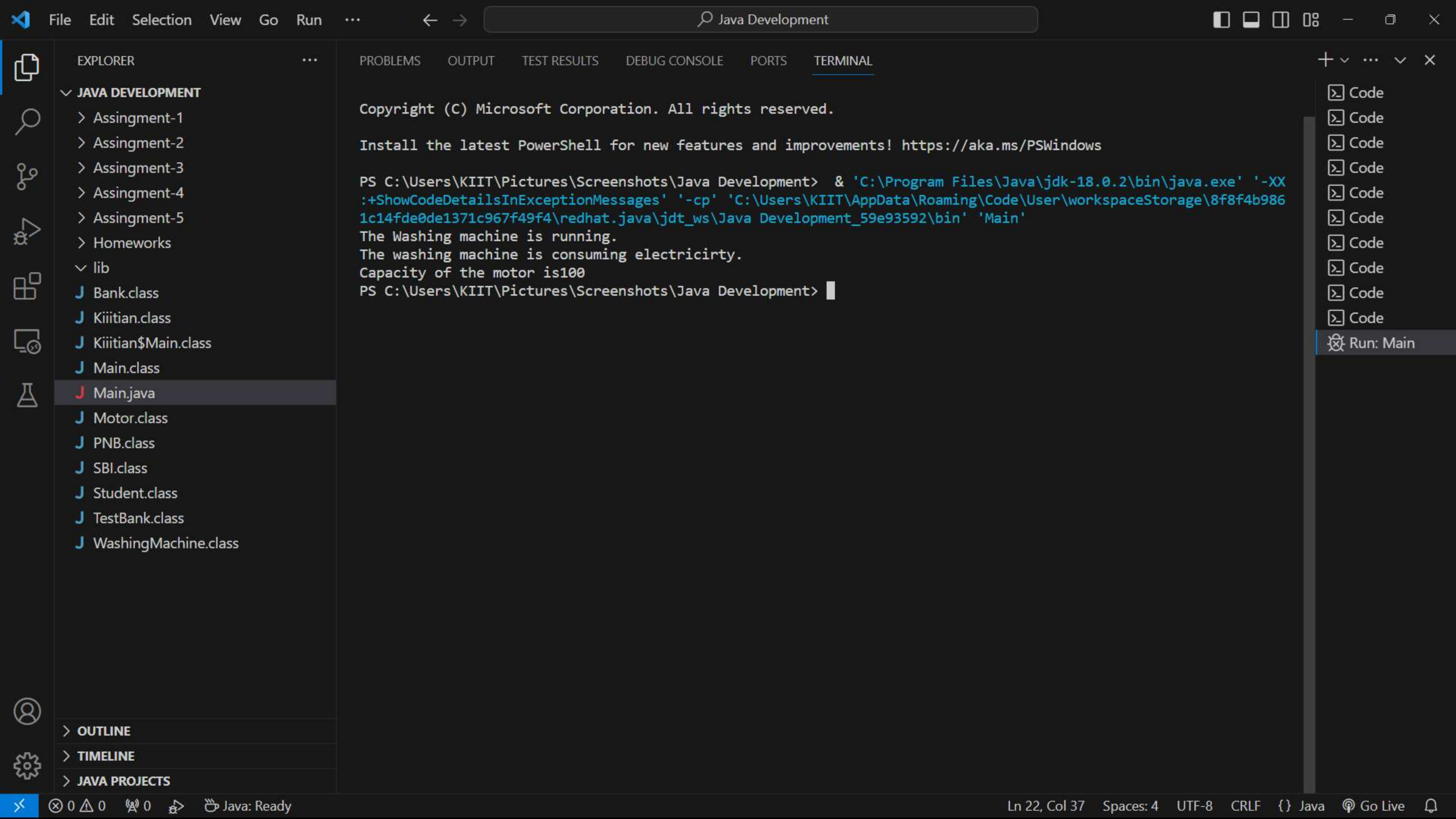
SBI.class
Student.class
TestBank.class
OUTLINE
TIMELINE
JAVA PROJECTS
Main.java
Bank.class
Main.java > Main > main(String[])
interface Motor {
int capacity = 100;
void run();
void consume();
}
class WashingMachine implements Motor{
public void run() {
System.out.println(x:"The Washing machine is running.");
}
public void consume() {
System.out.println(x:"The washing machine is consuming electricirty.");
}
void checkCapacity(){
int capacity = 100
System.out.println("Capacity of the motor is" + capacity);
}
}
public class Main {
Run | Debug
public static void main(String[] args) {
WashingMachine washmachine = new WashingMachine();
washmachine.run();
washmachine.consume();
washmachine.checkCapacity();
}
}
0 0 0 Java: Ready
Ln 22, Col 37 Spaces: 4 UTF-8 CRLF Java Go Live


File Edit Selection View Go Run ···
Java Development
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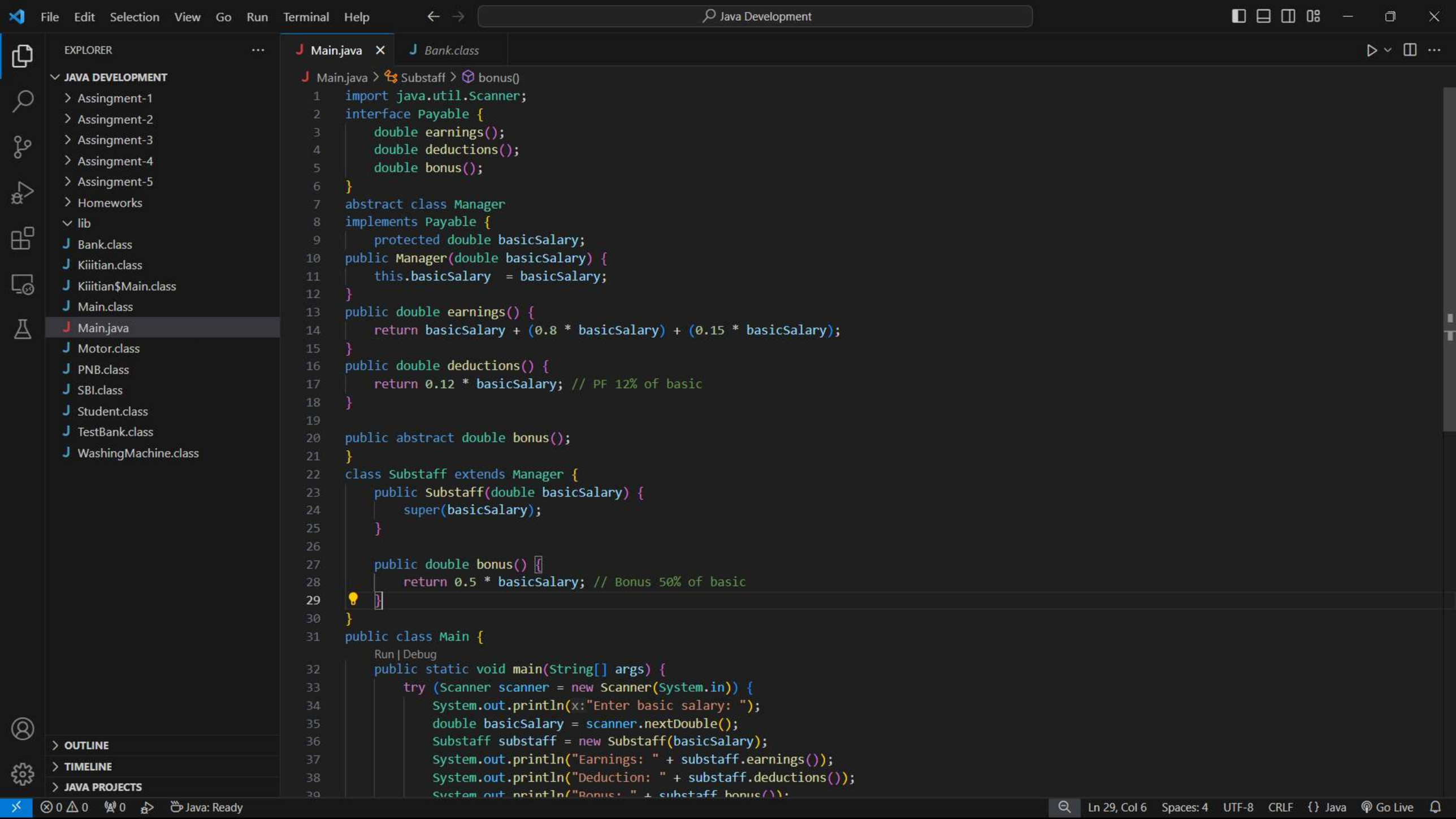
OUTLINE
TIMELINE
JAVA PROJECTS
PROBLEMS OUTPUT TEST RESULTS DEBUG CONSOLE PORTS TERMINAL
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> & 'C:\Program Files\Java\jdk-18.0.2\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\KIIT\AppData\Roaming\Code\User\workspaceStorage\8f8f4b9861c14fde0de1371c967f49f4\redhat.java\jdt_ws\Java Development_59e93592\bin' 'Main'
The Washing machine is running.
The washing machine is consuming electricirty.
Capacity of the motor is100
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
Code
Code
Code
Code
Code
Code
Code
Code
Code
Code
Run: Main
0 0 0
Java: Ready
Ln 22, Col 37
Spaces: 4
UTF-8
CRLF
Java
Go Live


File Edit Selection View Go Run Terminal Help
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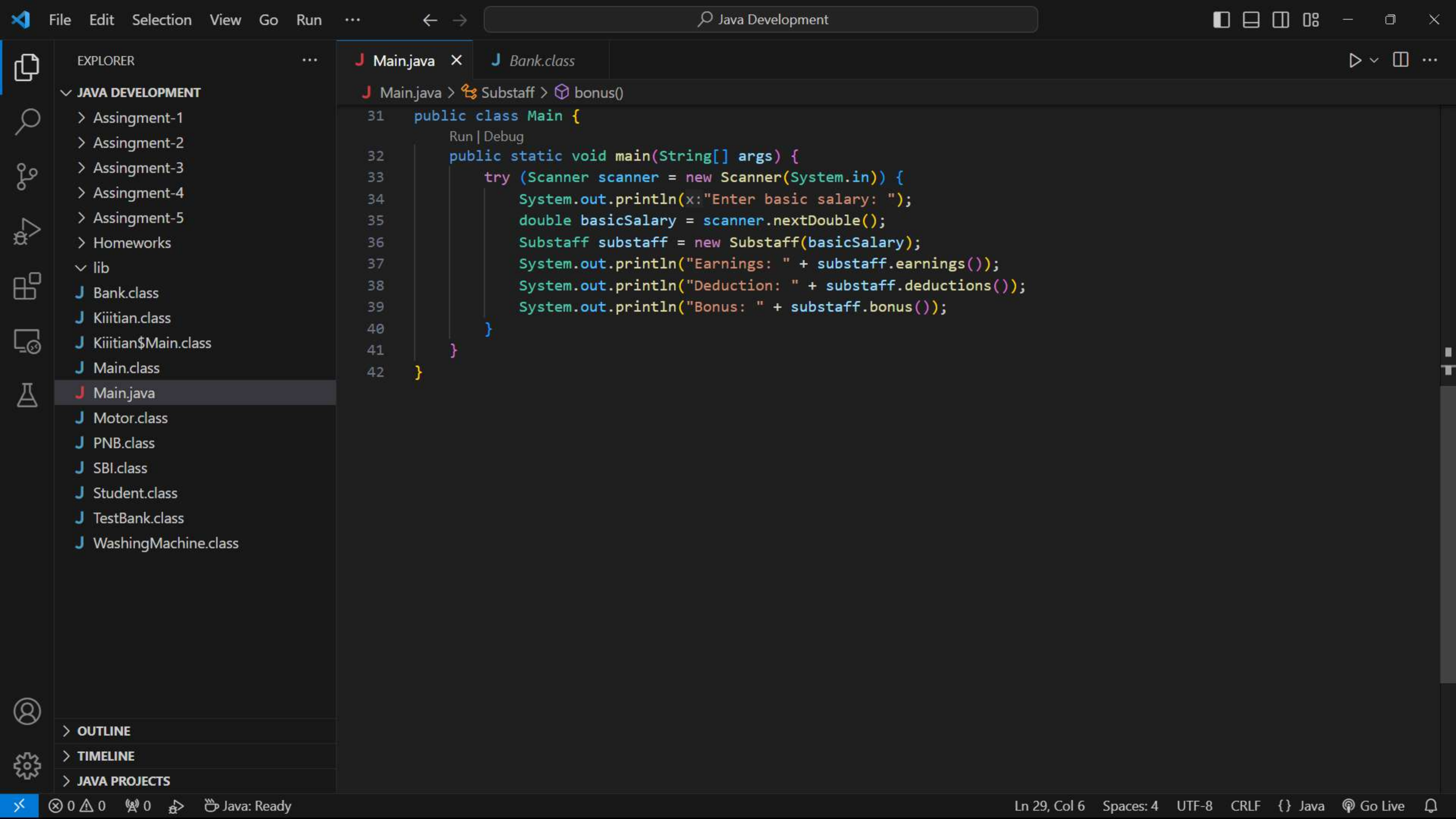
SBI.class
Student.class
TestBank.class
WashingMachine.class
OUTLINE
TIMELINE
JAVA PROJECTS
Main.java
Bank.class
Main.java > Substaff > bonus()
1 import java.util.Scanner;
2 interface Payable {
3 double earnings();
4 double deductions();
5 double bonus();
6 }
7 abstract class Manager
8 implements Payable {
9 protected double basicSalary;
10 public Manager(double basicSalary) {
11 this.basicSalary = basicSalary;
12 }
13 public double earnings() {
14 return basicSalary + (0.8 * basicSalary) + (0.15 * basicSalary);
15 }
16 public double deductions() {
17 return 0.12 * basicSalary; // PF 12% of basic
18 }
19
20 public abstract double bonus();
21 }
22 class Substaff extends Manager {
23 public Substaff(double basicSalary) {
24 super(basicSalary);
25 }
26
27 public double bonus() {
28 return 0.5 * basicSalary; // Bonus 50% of basic
29 }
30 }
31 public class Main {
Run | Debug
32 public static void main(String[] args) {
33 try (Scanner scanner = new Scanner(System.in)) {
34 System.out.println(x:"Enter basic salary: ");
35 double basicSalary = scanner.nextDouble();
36 Substaff substaff = new Substaff(basicSalary);
37 System.out.println("Earnings: " + substaff.earnings());
38 System.out.println("Deduction: " + substaff.deductions());
Java: Ready
Ln 29, Col 6
Spaces: 4
UTF-8
CRLF
Java
Go Live


File
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Run
Java Development
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Kiiitian$Main.class
Main.class
Main.java
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PNB.class
SBI.class
Student.class
TestBank.class
WashingMachine.class
OUTLINE
TIMELINE
JAVA PROJECTS
Main.java
Bank.class
Main.java > Substaff > bonus()
31 public class Main {
Run | Debug
32 public static void main(String[] args) {
33 try (Scanner scanner = new Scanner(System.in)) {
34 System.out.println(x:"Enter basic salary: ");
35 double basicSalary = scanner.nextDouble();
36 Substaff substaff = new Substaff(basicSalary);
37 System.out.println("Earnings: " + substaff.earnings());
38 System.out.println("Deduction: " + substaff.deductions());
39 System.out.println("Bonus: " + substaff.bonus());
40 }
41 }
42 }
0 0 0
Java: Ready
Ln 29, Col 6
Spaces: 4
UTF-8
CRLF
Java
Go Live

File Edit Selection View Go Run ··· Java Development

EXPLORER

JAVA DEVELOPMENT
- Assingment-1
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- Assingment-4
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- Kiiitian$Main.class
- Main.class
- Main.java
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- Motor.class
- Payable.class
- PNB.class
- SBI.class
- Student.class
- Substaff.class
- TestBank.class
- WashingMachine.class

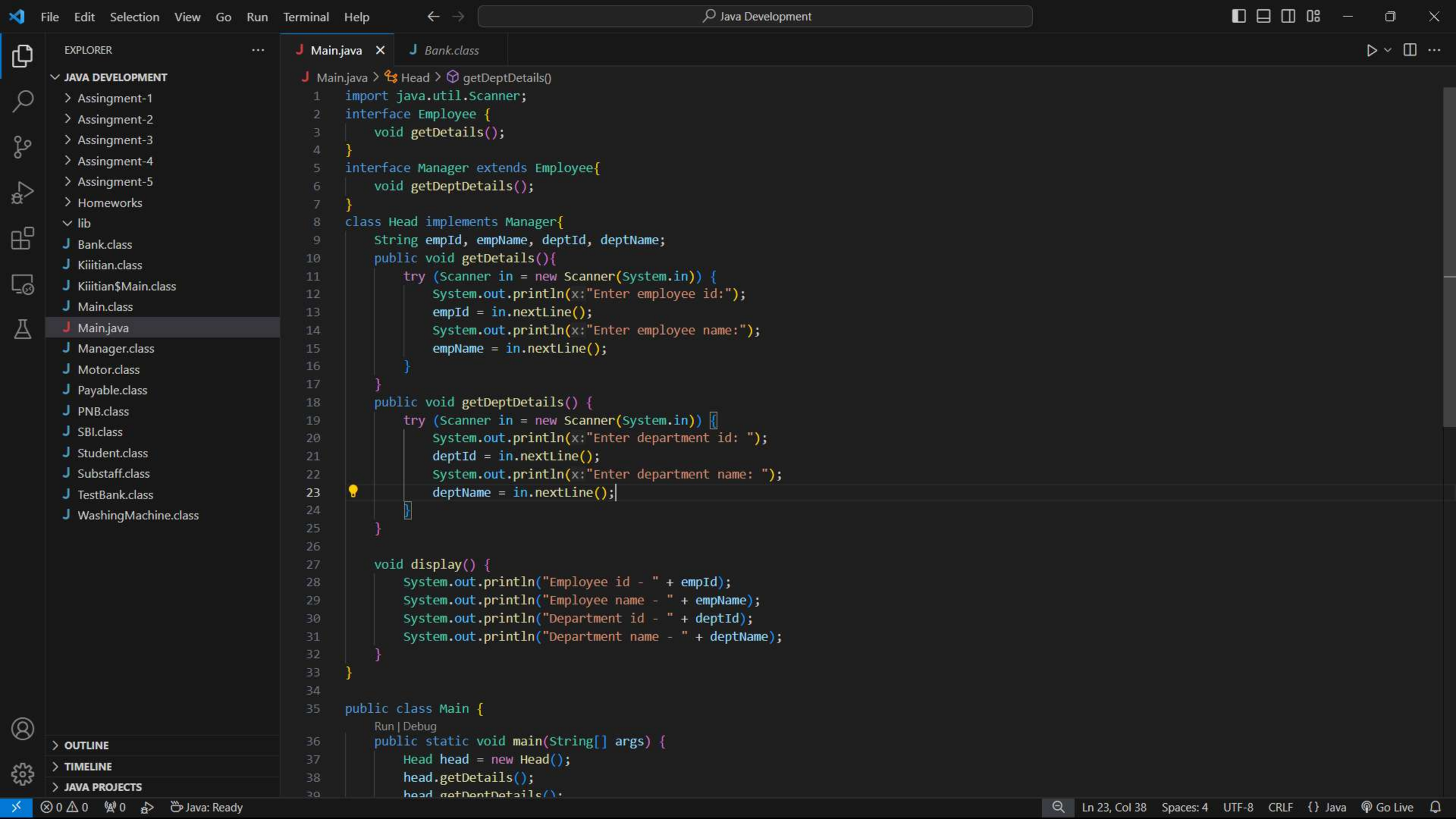
OUTLINE
TIMELINE
JAVA PROJECTS

PROBLEMS OUTPUT TEST RESULTS DEBUG CONSOLE PORTS TERMINAL

```
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development
\" ; if ($?) { javac Main.java } ; if ($?) { java Main }
Enter basic salary:
50000
Earnings: 97500.0
Deduction: 6000.0
Bonus: 25000.0
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
```

Code
Code
Code
Code
Code
Code
Code
Code
Code
Code
Run: Main

0 0 0 Java: Ready Ln 29, Col 6 Spaces: 4 UTF-8 CRLF {} Java Go Live


File Edit Selection View Go Run Terminal Help
Java Development
EXPLORER
JAVA DEVELOPMENT
Assingment-1
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Assingment-3
Assingment-4
Assingment-5
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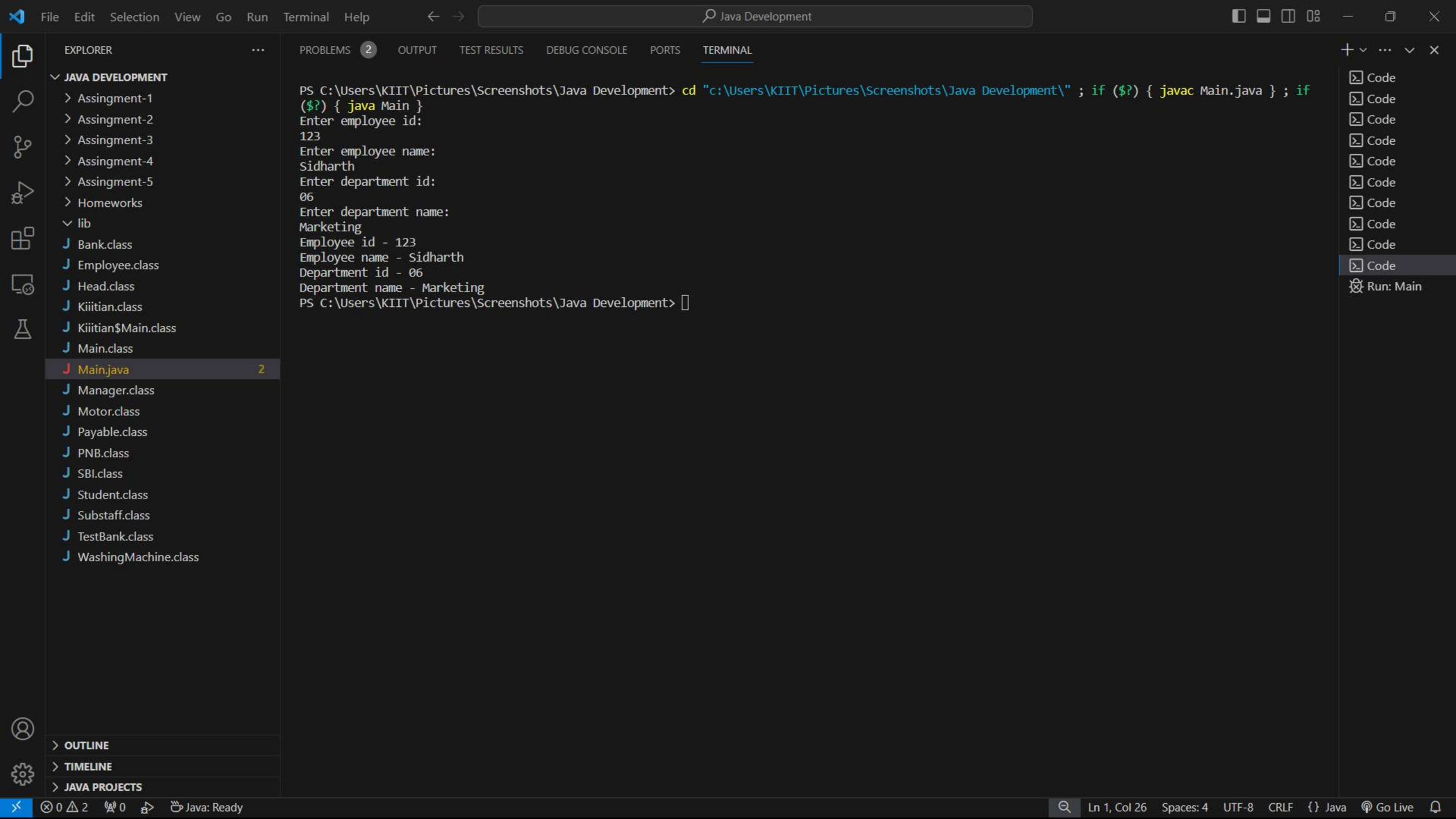
lib
Bank.class
Kiiitian.class
Kiiitian$Main.class
Main.class
Main.java
Manager.class
Motor.class
Payable.class
PNB.class
SBI.class
Student.class
Substaff.class
TestBank.class
WashingMachine.class
OUTLINE
TIMELINE
JAVA PROJECTS
Main.java
Bank.class
Main.java > Head > getDeptDetails()
1 import java.util.Scanner;
2 interface Employee {
3 void getDetails();
4 }
5 interface Manager extends Employee{
6 void getDeptDetails();
7 }
8 class Head implements Manager{
9 String empId, empName, deptId, deptName;
10 public void getDetails(){
11 try (Scanner in = new Scanner(System.in)) {
12 System.out.println(x:"Enter employee id:");
13 empId = in.nextLine();
14 System.out.println(x:"Enter employee name:");
15 empName = in.nextLine();
16 }
17 }
18 public void getDeptDetails() {
19 try (Scanner in = new Scanner(System.in)) {
20 System.out.println(x:"Enter department id: ");
21 deptId = in.nextLine();
22 System.out.println(x:"Enter department name: ");
23 deptName = in.nextLine();
24 }
25 }
26
27 void display() {
28 System.out.println("Employee id - " + empId);
29 System.out.println("Employee name - " + empName);
30 System.out.println("Department id - " + deptId);
31 System.out.println("Department name - " + deptName);
32 }
33 }
34
35 public class Main {
Run | Debug
36 public static void main(String[] args) {
37 Head head = new Head();
38 head.getDetails();
39 head.getDeptDetails();
Java: Ready
Ln 23, Col 38
Spaces: 4
UTF-8
CRLF
Java
Go Live


File Edit Selection View Go Run Terminal Help
Java Development
EXPLORER
JAVA DEVELOPMENT
Assingment-1
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Assingment-4
Assingment-5
Homeworks
lib
Bank.class
Employee.class
Head.class
Kiiitian.class
Kiiitian$Main.class
Main.class
Main.java 2
Manager.class
Motor.class
Payable.class
PNB.class
SBI.class
Student.class
Substaff.class
TestBank.class
WashingMachine.class
OUTLINE
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JAVA PROJECTS
PROBLEMS 2
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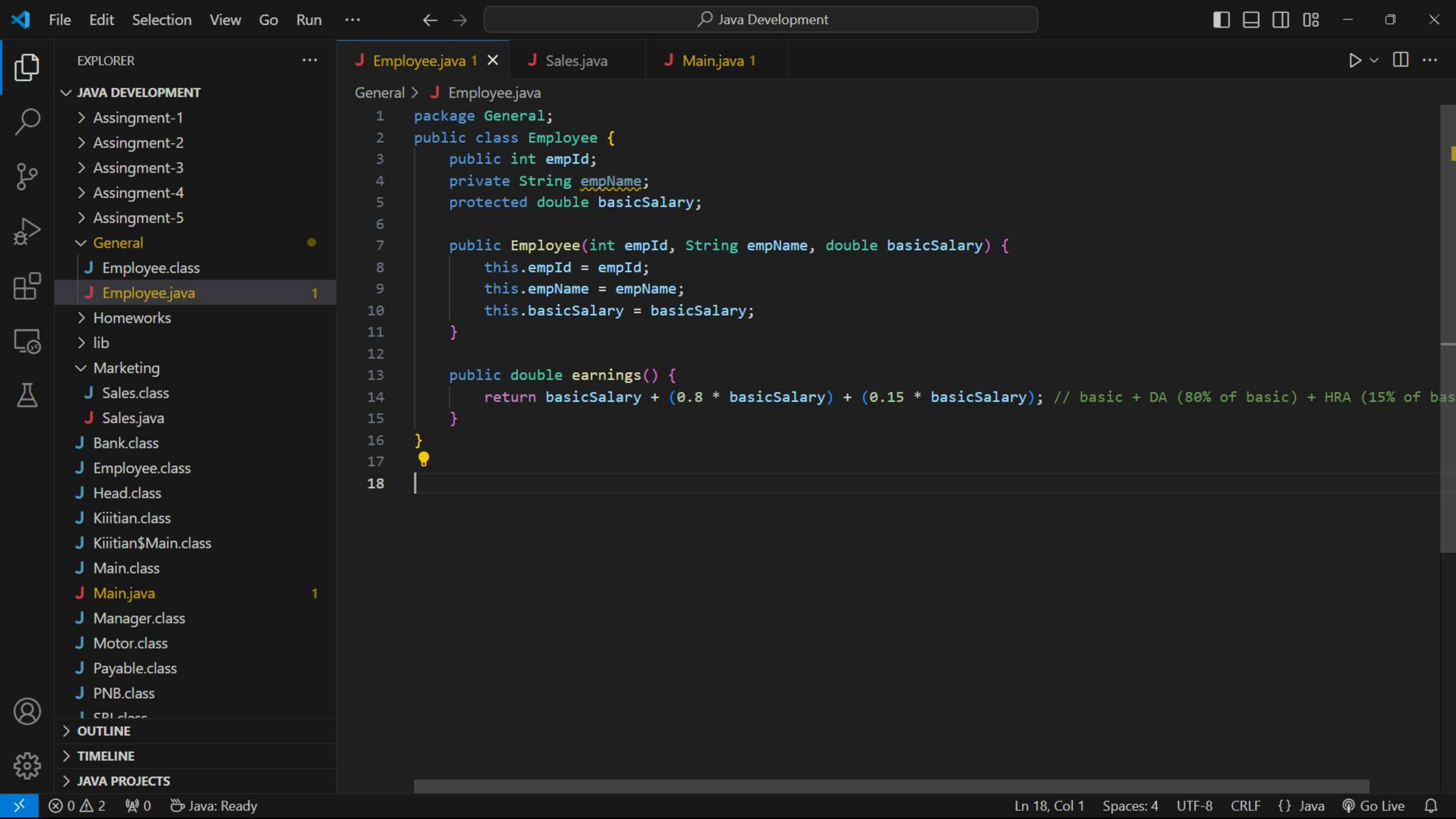
TEST RESULTS
DEBUG CONSOLE
PORTS
TERMINAL
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ; if ($?) { javac Main.java } ; if ($?) { java Main }
Enter employee id:
123
Enter employee name:
Sidharth
Enter department id:
06
Enter department name:
Marketing
Employee id - 123
Employee name - Sidharth
Department id - 06
Department name - Marketing
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
Code
Code
Code
Code
Code
Code
Code
Code
Code
Code
Run: Main
0 2 0
Java: Ready
Ln 1, Col 26
Spaces: 4
UTF-8
CRLF
Java
Go Live


File Edit Selection View Go Run
Java Development
EXPLORER
JAVA DEVELOPMENT
Assingment-1
Assingment-2
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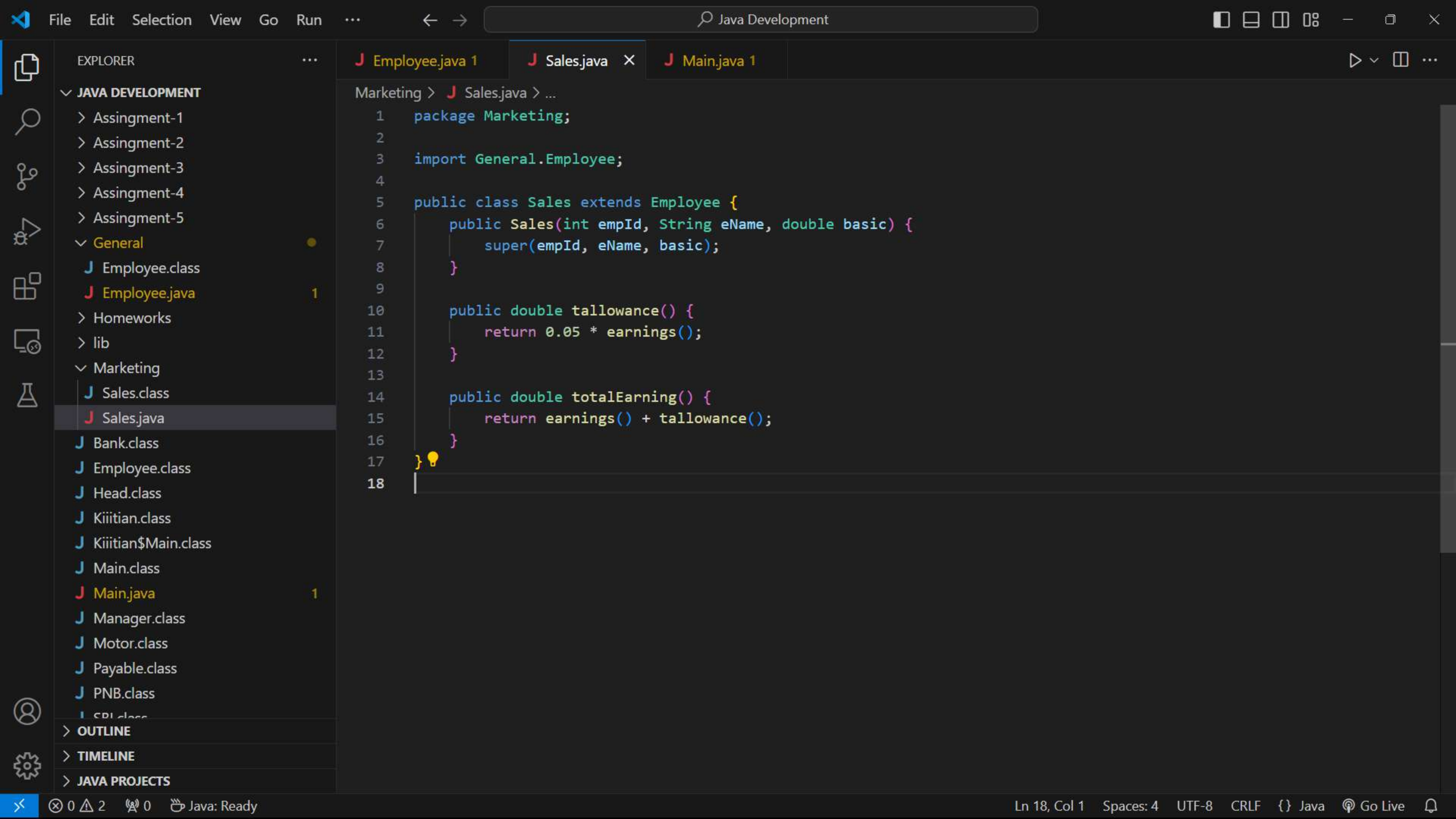
Assingment-5
General
Employee.class
Employee.java 1
Homeworks
lib
Marketing
Sales.class
Sales.java
Bank.class
Employee.class
Head.class
Kiiitian.class
Kiiitian$Main.class
Main.class
Main.java 1
Manager.class
Motor.class
Payable.class
PNB.class
OUTLINE
TIMELINE
JAVA PROJECTS
Employee.java 1
Sales.java
Main.java 1
General > Employee.java
1 package General;
2 public class Employee {
3 public int empId;
4 private String empName;
5 protected double basicSalary;
6
7 public Employee(int empId, String empName, double basicSalary) {
8 this.empId = empId;
9 this.empName = empName;
10 this.basicSalary = basicSalary;
11 }
12
13 public double earnings() {
14 return basicSalary + (0.8 * basicSalary) + (0.15 * basicSalary); // basic + DA (80% of basic) + HRA (15% of bas
15 }
16 }
17
18
0 2 0 Java: Ready
Ln 18, Col 1 Spaces: 4 UTF-8 CRLF { } Java Go Live


File Edit Selection View Go Run
Java Development
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Employee.class
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Sales.java
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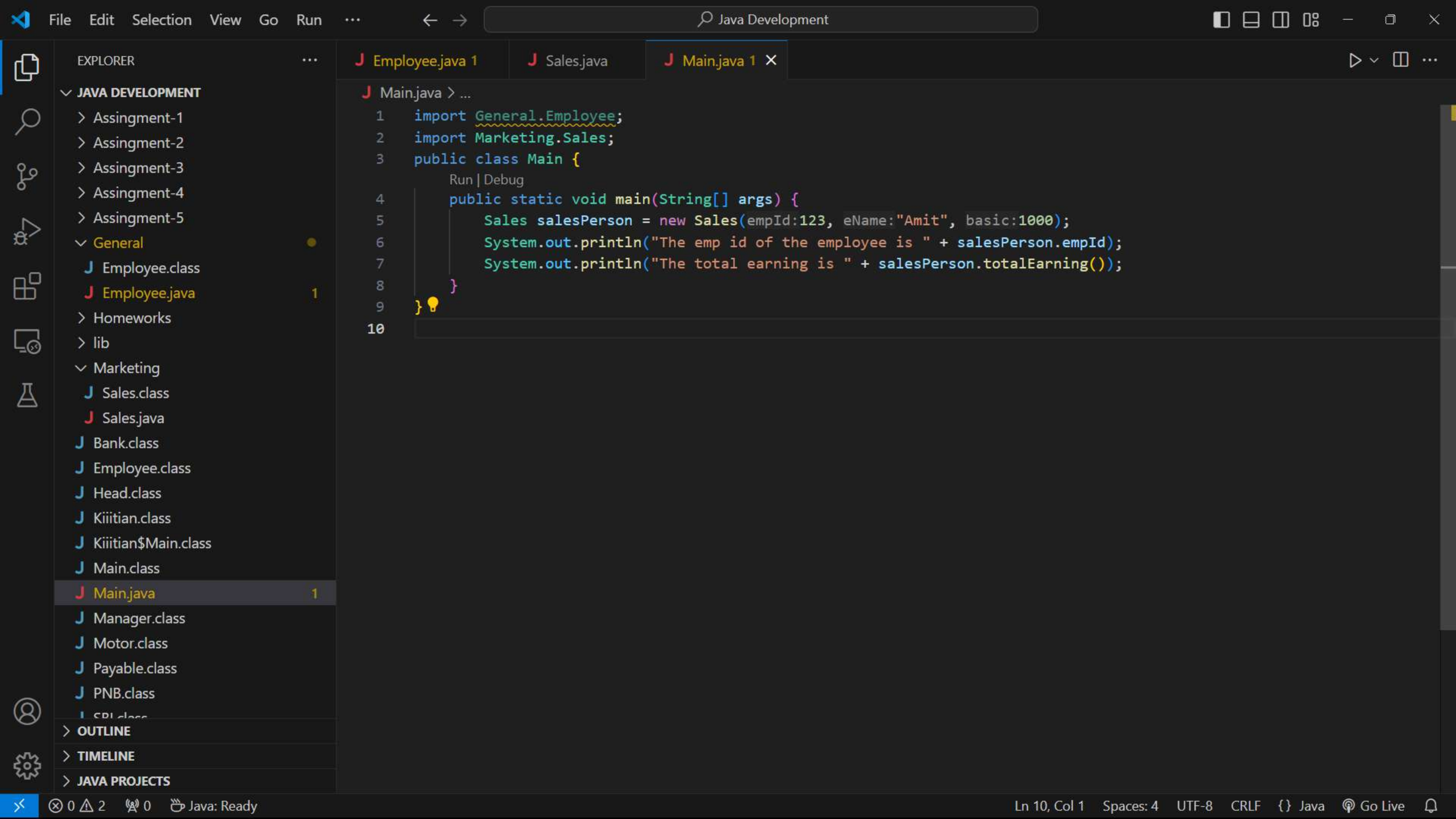
Employee.class
Head.class
Kiiitian.class
Kiiitian$Main.class
Main.class
Main.java 1
Manager.class
Motor.class
Payable.class
PNB.class
OUTLINE
TIMELINE
JAVA PROJECTS
Employee.java 1
Sales.java
Main.java 1
Marketing > Sales.java > ...
1 package Marketing;
2
3 import General.Employee;
4
5 public class Sales extends Employee {
6 public Sales(int empId, String eName, double basic) {
7 super(empId, eName, basic);
8 }
9
10 public double tallowance() {
11 return 0.05 * earnings();
12 }
13
14 public double totalEarning() {
15 return earnings() + tallowance();
16 }
17 }
18
0 2 0 Java: Ready
Ln 18, Col 1 Spaces: 4 UTF-8 CRLF { } Java Go Live


File Edit Selection View Go Run
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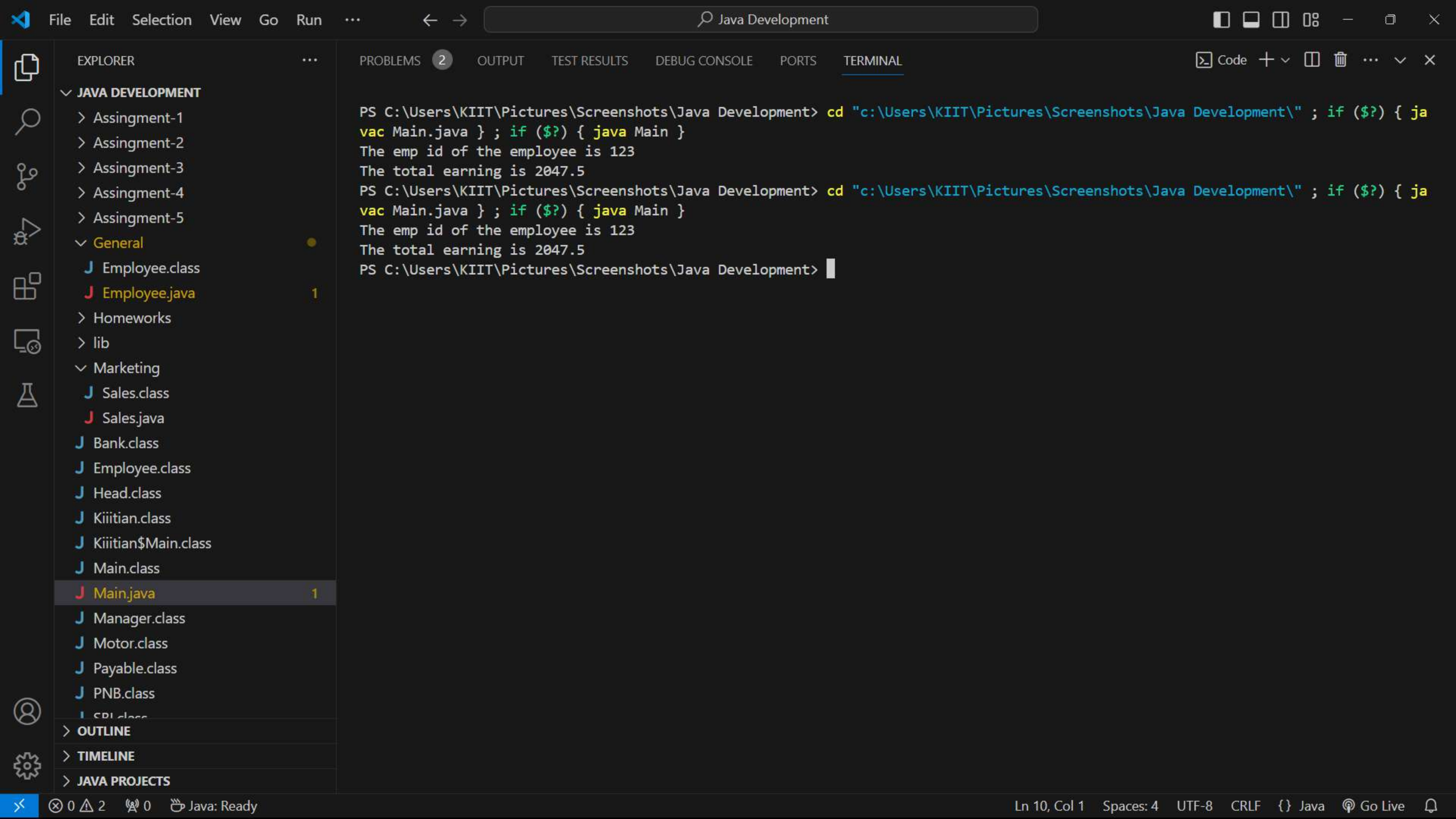
Motor.class
Payable.class
PNB.class
OUTLINE
TIMELINE
JAVA PROJECTS
Employee.java 1
Sales.java
Main.java 1
Main.java > ...
1 import General.Employee;
2 import Marketing.Sales;
3 public class Main {
Run | Debug
4 public static void main(String[] args) {
5 Sales salesPerson = new Sales(empId:123, eName:"Amit", basic:1000);
6 System.out.println("The emp id of the employee is " + salesPerson.empId);
7 System.out.println("The total earning is " + salesPerson.totalEarning());
8 }
9 }
10
0 2 0 Java: Ready
Ln 10, Col 1 Spaces: 4 UTF-8 CRLF { } Java Go Live


File Edit Selection View Go Run ···
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Code
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ; if ($?) { javac Main.java } ; if ($?) { java Main }
The emp id of the employee is 123
The total earning is 2047.5
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ; if ($?) { javac Main.java } ; if ($?) { java Main }
The emp id of the employee is 123
The total earning is 2047.5
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
0 2 0 Java: Ready
Ln 10, Col 1 Spaces: 4 UTF-8 CRLF { } Java Go Live