

Part1:

Employee.javaManager.javaIntern.javaMain.java × *Workplace.java

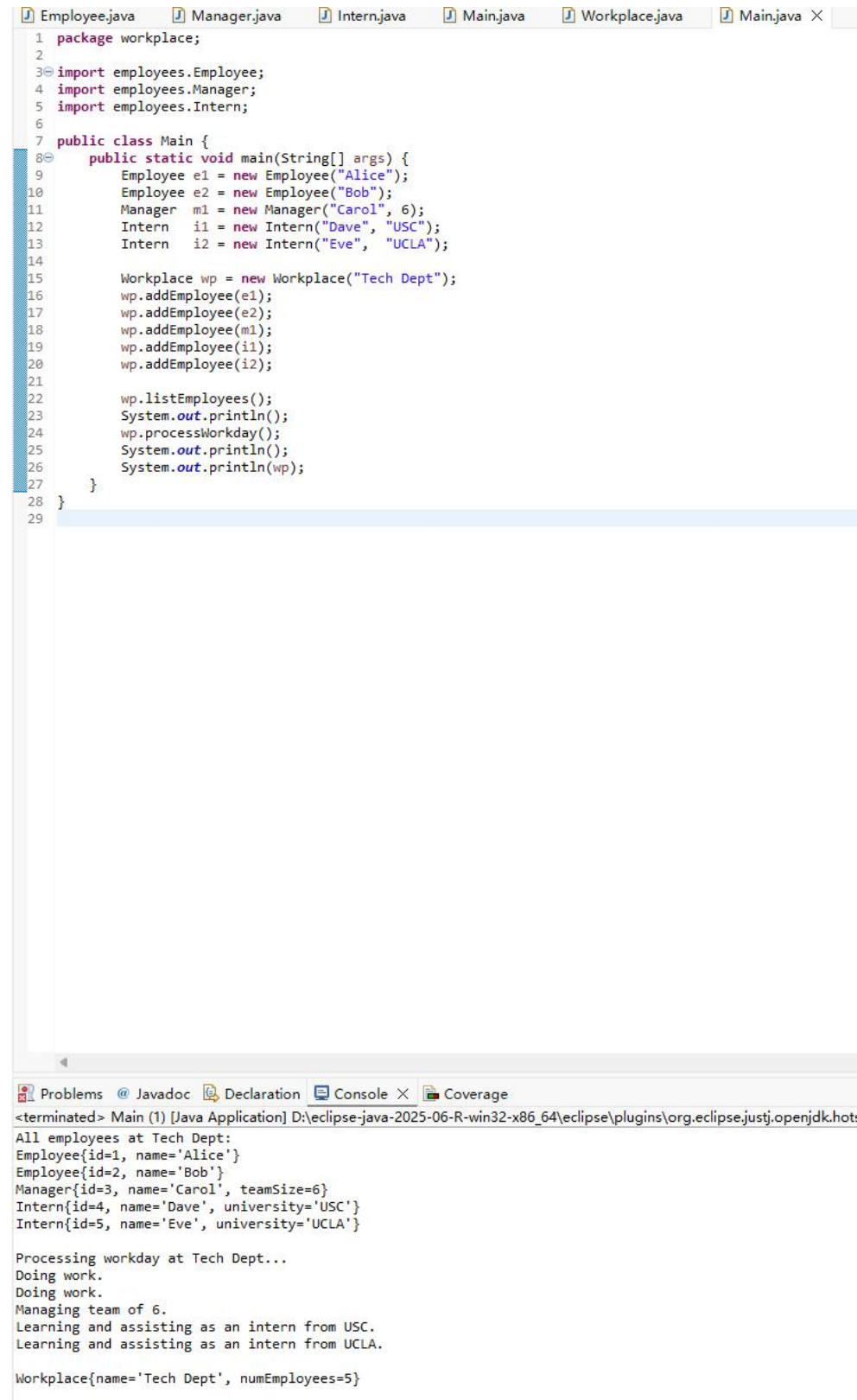
```
1 package employees;
2
3 public class Main {
4     public static void main(String[] args) {
5         Employee e1 = new Employee("Alice");
6         Employee e2 = new Employee("Bob");
7         Manager m1 = new Manager("Carol", 6);
8         Intern i1 = new Intern("Dave", "USC");
9         Intern i2 = new Intern("Eve", "UCLA");
10
11         e1.displayInfo(); e1.work();
12         e2.displayInfo(); e2.work();
13         m1.displayInfo(); m1.work();
14         i1.displayInfo(); i1.work();
15         i2.displayInfo(); i2.work();
16
17         System.out.println("Total employees: " + Employee.getNumberOfEmployees());
18     }
19 }
20
```

Problems @ Javadoc Declaration Console × Coverage

<terminated> Main [Java Application] D:\eclipse-java-2025-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64.jre\bin\java.exe

Employee{id=1, name='Alice'}
Doing work.
Employee{id=2, name='Bob'}
Doing work.
Manager{id=3, name='Carol', teamSize=6}
Managing team of 6.
Intern{id=4, name='Dave', university='USC'}
Learning and assisting as an intern from USC.
Intern{id=5, name='Eve', university='UCLA'}
Learning and assisting as an intern from UCLA.
Total employees: 5

Part2:



The screenshot shows the Eclipse IDE with a Java project. The top editor displays the `Main.java` file, which defines a `workplace` package and a `Main` class. The `main` method creates instances of `Employee`, `Manager`, and `Intern`, adds them to a `Workplace` object, and then lists and processes the workday for the employees.

```
1 package workplace;
2
3 import employees.Employee;
4 import employees.Manager;
5 import employees.Intern;
6
7 public class Main {
8     public static void main(String[] args) {
9         Employee e1 = new Employee("Alice");
10        Employee e2 = new Employee("Bob");
11        Manager m1 = new Manager("Carol", 6);
12        Intern i1 = new Intern("Dave", "USC");
13        Intern i2 = new Intern("Eve", "UCLA");
14
15        Workplace wp = new Workplace("Tech Dept");
16        wp.addEmployee(e1);
17        wp.addEmployee(e2);
18        wp.addEmployee(m1);
19        wp.addEmployee(i1);
20        wp.addEmployee(i2);
21
22        wp.listEmployees();
23        System.out.println();
24        wp.processWorkday();
25        System.out.println();
26        System.out.println(wp);
27    }
28 }
29
```

The bottom editor shows the console output, which lists all employees at the Tech Dept, processes the workday, and displays the final state of the Workplace object.

```
<terminated> Main (1) [Java Application] D:\eclipse-java-2025-06-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot
All employees at Tech Dept:
Employee{id=1, name='Alice'}
Employee{id=2, name='Bob'}
Manager{id=3, name='Carol', teamSize=6}
Intern{id=4, name='Dave', university='USC'}
Intern{id=5, name='Eve', university='UCLA'}

Processing workday at Tech Dept...
Doing work.
Doing work.
Managing team of 6.
Learning and assisting as an intern from USC.
Learning and assisting as an intern from UCLA.

Workplace{name='Tech Dept', numEmployees=5}
```