

Use any one of the file handling to read employee records from a text file and write employee records to a text file

```
J EmployeeFileHandler.java > ...
1  import java.io.*;
2  import java.util.ArrayList;
3  import java.util.List;
4  import java.util.Scanner;
5
6  class Employee {
7      private String name;
8      private int id;
9      private double salary;
10
11     public Employee(String name, int id, double salary) {
12         this.name = name;
13         this.id = id;
14         this.salary = salary;
15     }
16
17     @Override
18     public String toString() {
19         return name + "," + id + "," + salary;
20     }
21 }
22
23 public class EmployeeFileHandler {
24
25     // Method to write employee records to a text file
26     public static void writeEmployeesToFile(List<Employee> employees, String fileName) {
27         try (BufferedWriter writer = new BufferedWriter(new FileWriter(fileName))) {
28             for (Employee employee : employees) {
29                 writer.write(employee.toString());
30                 writer.newLine();
31             }
32         } catch (IOException e) {
33             System.out.println("An error occurred while writing to the file: " + e.getMessage());
34         }
35     }
36
37     // Method to read employee records from a text file
38     public static List<Employee> readEmployeesFromFile(String fileName) {
39         List<Employee> employees = new ArrayList<>();
40         try (BufferedReader reader = new BufferedReader(new FileReader(fileName))) {
41             String line;
42             while ((line = reader.readLine()) != null) {
43                 String[] parts = line.split(regex:",");
44                 String name = parts[0];
45                 int id = Integer.parseInt(parts[1]);
46                 double salary = Double.parseDouble(parts[2]);
47                 employees.add(new Employee(name, id, salary));
48             }
49         }
50     }
51 }
```

```

48     }
49     } catch (IOException e) {
50         System.out.println("An error occurred while reading the file: " + e.getMessage());
51     }
52     return employees;
53 }
54
Run | Debug
55 public static void main(String[] args) {
56     List<Employee> employees = new ArrayList<>();
57     employees.add(new Employee(name:"John Doe", id:101, salary:50000));
58     employees.add(new Employee(name:"Jane Smith", id:102, salary:60000));
59     employees.add(new Employee(name:"Mike Johnson", id:103, salary:70000));
60
61     String fileName = "employees.txt";
62
63     // Write employee records to a file
64     writeEmployeesToFile(employees, fileName);
65
66     // Read employee records from a file
67     List<Employee> readEmployees = readEmployeesFromFile(fileName);
68     System.out.println(x:"Employee records read from file:");
69     for (Employee employee : readEmployees) {
70         System.out.println(employee);
71     }
72 }
73 }

```

PROBLEMS ① OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

```

PS C:\Users\SWETHA BENNY\Documents\javaProject> javac EmployeeFileHandler.java
>> java EmployeeFileHandler
>>
>> java EmployeeFileHandler
>>
>>
Employee records read from file:
John Doe,101,50000.0
John Doe,101,50000.0
Jane Smith,102,60000.0
Jane Smith,102,60000.0
Mike Johnson,103,70000.0

```