

```
import java.io;

import java.util;

// Serializable class

class Employee implements Serializable {

    private static final long serialVersionUID = 1L;

    Integer id; // Autoboxing example

    String name;

    Double salary; // Autoboxing example

    public Employee(int id, String name, double salary) {

        this.id = id;

        this.name = name;

        this.salary = salary;

    }

    @Override

    public String toString() {

        return "ID: " + id + " | Name: " + name + " | Salary: " + salary;

    }

}

public class EmployeeManagement {

    public static void main(String[] args) {

        List<Employee> employees = new ArrayList<>();

        employees.add(new Employee(101, "Alice", 55000.50));

        employees.add(new Employee(102, "Bob", 62000.75));

        employees.add(new Employee(103, "Charlie", 70000.00));

    }

}
```

```

String fileName = "employees.dat";

// Serialization - Writing employees to a file
try (ObjectOutputStream oos = new ObjectOutputStream(new
FileOutputStream(fileName))) {
    oos.writeObject(employees);

    System.out.println("Employee data serialized successfully.");
} catch (IOException e) {
    e.printStackTrace();
}

// Deserialization - Reading employees from file
try (ObjectInputStream ois = new ObjectInputStream(new FileInputStream(fileName))) {
    List<Employee> readEmployees = (List<Employee>) ois.readObject();

    System.out.println("Deserialized Employee Data:");

    readEmployees.forEach(System.out::println);
} catch (IOException | ClassNotFoundException e) {
    e.printStackTrace();
}

// Writing employee data to a text file
try (BufferedWriter writer = new BufferedWriter(new FileWriter("employees.txt"))) {
    for (Employee emp : employees) {
        writer.write(emp.toString());

        writer.newLine();
    }

    System.out.println("Employee data written to employees.txt");
}

```

```
    } catch (IOException e) {  
        e.printStackTrace();  
    }  
}  
}
```

```
> javac EmployeeManagement.java  
> java EmployeeManagement  
  
Employee data serialized successfully.  
-----  
Deserialized Employee Data:  
ID: 101 | Name: Alice | Salary: 55000.5  
ID: 102 | Name: Bob | Salary: 62000.75  
ID: 103 | Name: Charlie | Salary: 70000.0  
-----  
Employee data written to employees.txt
```