

The screenshot shows the Eclipse IDE with the following components:

- Project Explorer:** Shows a project named 'day2' with a source folder 'src'. Inside 'src', there is a package 'com.Exception' containing 'Day2controller.java', a package 'Day2Model' containing 'Day2Model.java', and a package 'Main' containing 'Main.java'. A file 'dedalus.txt' is also listed.
- Editor:** Displays the code for 'Day2controller.java'. The code includes methods for viewing employees, serializing the employee list to a file, and deserializing it back.
- Console:** Shows the output of the application. It displays a menu with '1.Add emp' and '2.view emp', prompts for a password, and shows the results of adding and viewing employees, as well as the serialization and deserialization process.

```
30 public void viewEmployee() {
31     for (Day2Model emp : emplist) {
32         System.out.println(emp.getEno() + " " + emp.getEname());
33     }
34 }
35
36 public void serialize() {
37     try {
38         FileOutputStream fos = new FileOutputStream("dedalus.txt");
39         ObjectOutputStream oos = new ObjectOutputStream(fos);
40         oos.writeObject(emplist);
41         oos.close();
42         fos.close();
43         System.out.println("Serialized and saved to dedalus.txt");
44     } catch (Exception e) {
45         e.printStackTrace();
46     }
47 }
48
49 public void deserialize() {
50     try {
51         FileInputStream fis = new FileInputStream("dedalus.txt");
52         ObjectInputStream ois = new ObjectInputStream(fis);
53         emplist = (ArrayList<Day2Model>) ois.readObject();
54         ois.close();
55         fis.close();
56         System.out.println("Deserialized from dedalus.txt");
57
58         for (Day2Model emp : emplist) {
59             System.out.println(emp.getEno() + " " + emp.getEname());
60         }
61     } catch (Exception e) {
62         e.printStackTrace();
63     }
64 }
65 }
66 }
```

Console Output:

```
Main (1) [Java Application] C:\Program Files\Java\j
Enter Password
pass
1.Add emp      2.view emp
Enter choice:
1
Enter employee name:
aa
Enter employee number:
33
continue? y|n
y
1.Add emp      2.view emp
Enter choice:
1
Enter employee name:
dd
Enter employee number:
44
continue? y|n
y
1.Add emp      2.view emp
Enter choice:
3
Serialized and saved to dedalus.t
continue? y|n
y
1.Add emp      2.view emp
Enter choice:
4
Deserialized from dedalus.txt
33 aa
44 dd
continue? y|n
```

Writable

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