

Code for Serialization of Java Class

Employee.java

```
1
2 package com.jbt;
3
4 import java.io.Serializable;
5
6 public class Employee implements Serializable
7 {
8     public String firstName;
9     public String lastName;
10    private static final long serialVersionUID = 54622236001;
11 }
12
```

SerializaitonClass.java

```
1
2 package com.jbt;
3
4 import java.io.FileOutputStream;
5 import java.io.IOException;
6 import java.io.ObjectOutputStream;
7
8 public class SerializaitonClass {
9
10    public static void main(String[] args) {
11        Employee emp = new Employee();
12        emp.firstName = "Vivekanand";
13    }
14 }
```

```
13  emp.lastName = "Gautam";
14
15  try {
16      FileOutputStream fileOut = new FileOutputStream("./employee.txt");
17      ObjectOutputStream out = new ObjectOutputStream(fileOut);
18      out.writeObject(emp);
19      out.close();
20      fileOut.close();
21      System.out.printf("Serialized data is saved in ./employee.txt file");
22  } catch (IOException i) {
23      i.printStackTrace();
24  }
25  }
26  }
27
```

DeserializationClass.java

```
1
2  package com.jbt;
3
4  import java.io.*;
5
6  public class DeserializationClass {
7      public static void main(String[] args) {
8          Employee emp = null;
9          try {
10             FileInputStream fileIn = new FileInputStream("./employee.txt");
11             ObjectInputStream in = new ObjectInputStream(fileIn);
12             emp = (Employee) in.readObject();
13             in.close();
14             fileIn.close();
15         } catch (IOException i) {
```

```
16 i.printStackTrace();
17 return;
18 } catch (ClassNotFoundException c) {
19 System.out.println("Employee class not found");
20 c.printStackTrace();
21 return;
22 }
23 System.out.println("Deserializing Employee...");
24 System.out.println("First Name of Employee: " + emp.firstName);
25 System.out.println("Last Name of Employee: " + emp.lastName);
26 }
27 }
28
```

First run “**SerializaitonClass**” and you will get “**employee.txt**” file created.

Second run “**DeserializationClass**” and java will deserialize the class and value will be printed in console.

Output would be

```
1
2 Deserializing Employee...
3 First Name of Employee: Vivekanand
4 Last Name of Employee: Gautam
5
```