

NAME – RAJDEEP JAISWAL

DATE – 12 NOV 2021

BRANCH – BTECH CSE

SEC = 13 A

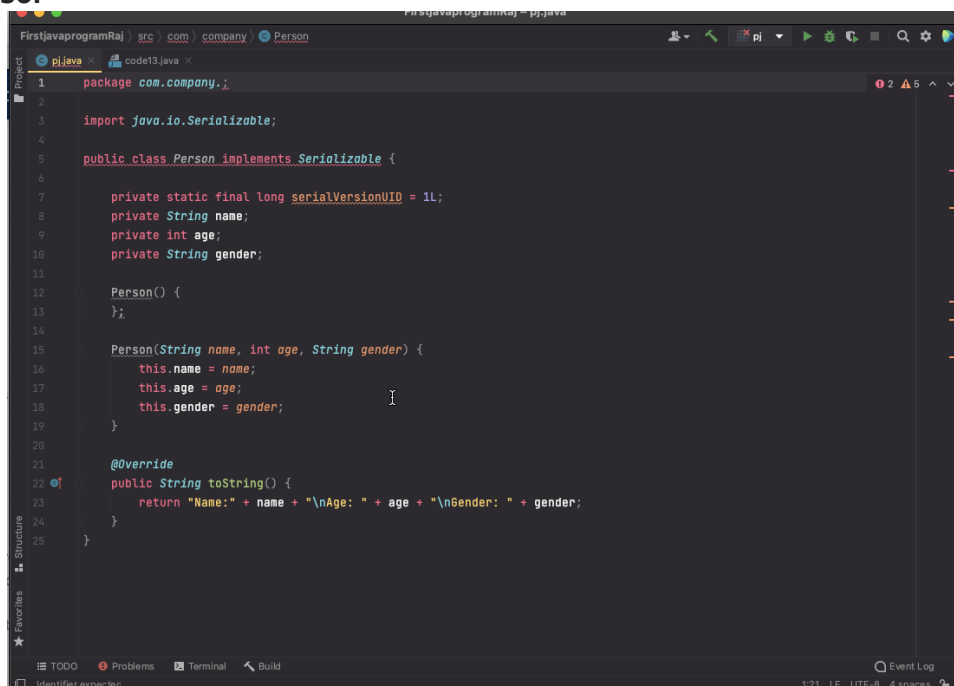
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Subject – Java Lab

### 1. Aim/Overview of the practical:

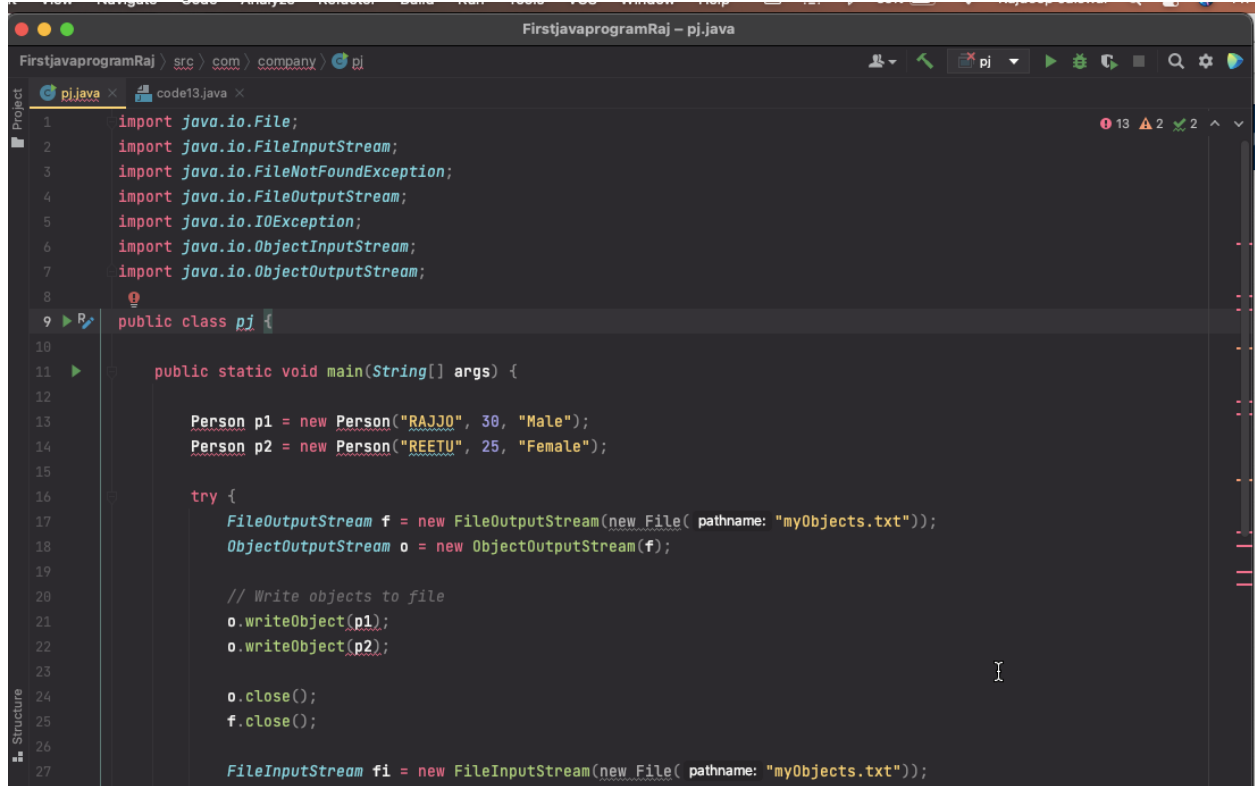
Write a program to read and write an object to file.

Sol –



```
1 package com.company.;
2
3 import java.io.Serializable;
4
5 public class Person implements Serializable {
6
7     private static final long serialVersionUID = 1L;
8     private String name;
9     private int age;
10    private String gender;
11
12    Person() {
13    };
14
15    Person(String name, int age, String gender) {
16        this.name = name;
17        this.age = age;
18        this.gender = gender;
19    }
20
21    @Override
22    public String toString() {
23        return "Name: " + name + "\nAge: " + age + "\nGender: " + gender;
24    }
25 }
```

## Code in Compiler



```
FirstjavaprogramRaj - pj.java
src > com > company > pj
pj.java x code13.java x
1 import java.io.File;
2 import java.io.FileInputStream;
3 import java.io.FileNotFoundException;
4 import java.io.FileOutputStream;
5 import java.io.IOException;
6 import java.io.ObjectInputStream;
7 import java.io.ObjectOutputStream;
8
9 public class pj {
10
11     public static void main(String[] args) {
12
13         Person p1 = new Person("RAJJO", 30, "Male");
14         Person p2 = new Person("REETU", 25, "Female");
15
16         try {
17             FileOutputStream f = new FileOutputStream(new File( pathname: "myObjects.txt"));
18             ObjectOutputStream o = new ObjectOutputStream(f);
19
20             // Write objects to file
21             o.writeObject(p1);
22             o.writeObject(p2);
23
24             o.close();
25             f.close();
26
27             FileInputStream fi = new FileInputStream(new File( pathname: "myObjects.txt"));
```

```

FirstJavaprogramRaj - pj.java
src > com > company > pi
pj.java x code13.java x
27      FileInputStream fi = new FileInputStream(new File( pathname: "myObjects.txt"));
28      ObjectInputStream oi = new ObjectInputStream(fi);
29
30      // Read objects
31      Person pr1 = (Person) oi.readObject();
32      Person pr2 = (Person) oi.readObject();
33
34      System.out.println(pr1.toString());
35      System.out.println(pr2.toString());
36
37      oi.close();
38      fi.close();
39
40  } catch (FileNotFoundException e) {
41      System.out.println("File not found");
42  } catch (IOException e) {
43      System.out.println("Error initializing stream");
44  } catch (ClassNotFoundException e) {
45      // TODO Auto-generated catch block
46      e.printStackTrace();
47  }
48
49  }
50
51

```

OUTPUT-

```

Name:RAJJO_____
Age: 30_____
Gender: Male_____
Name:REETU_____
Age: 25_____
Gender: Female_____

```

**Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):**

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			