NAME – RAJDEEP JAISWAL   DATE – 12 NOV 2021

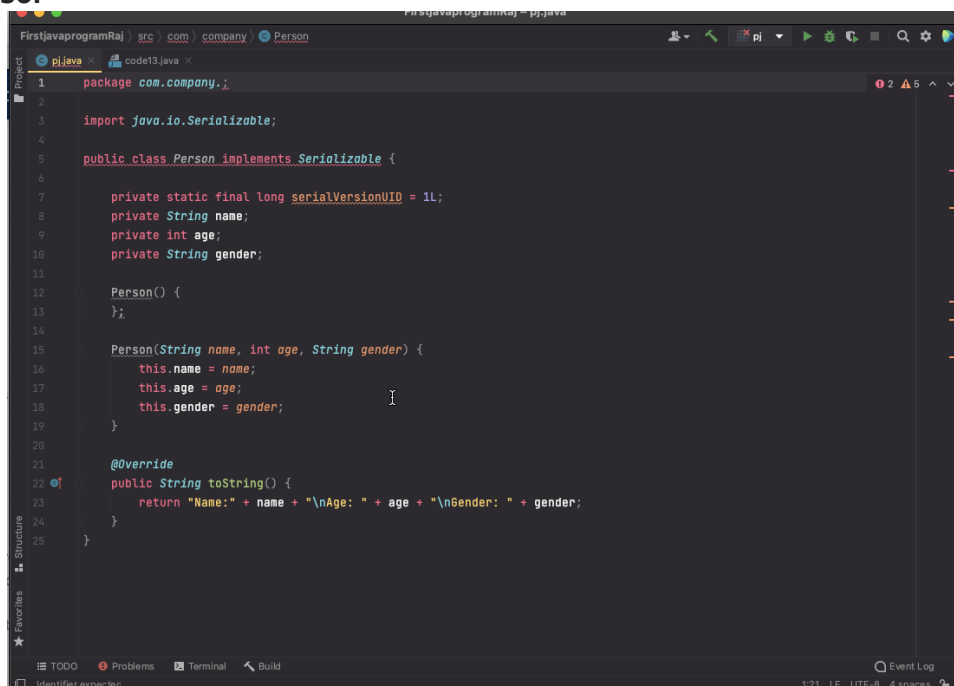BRANCH – BTECH CSE   SEC = 13 A

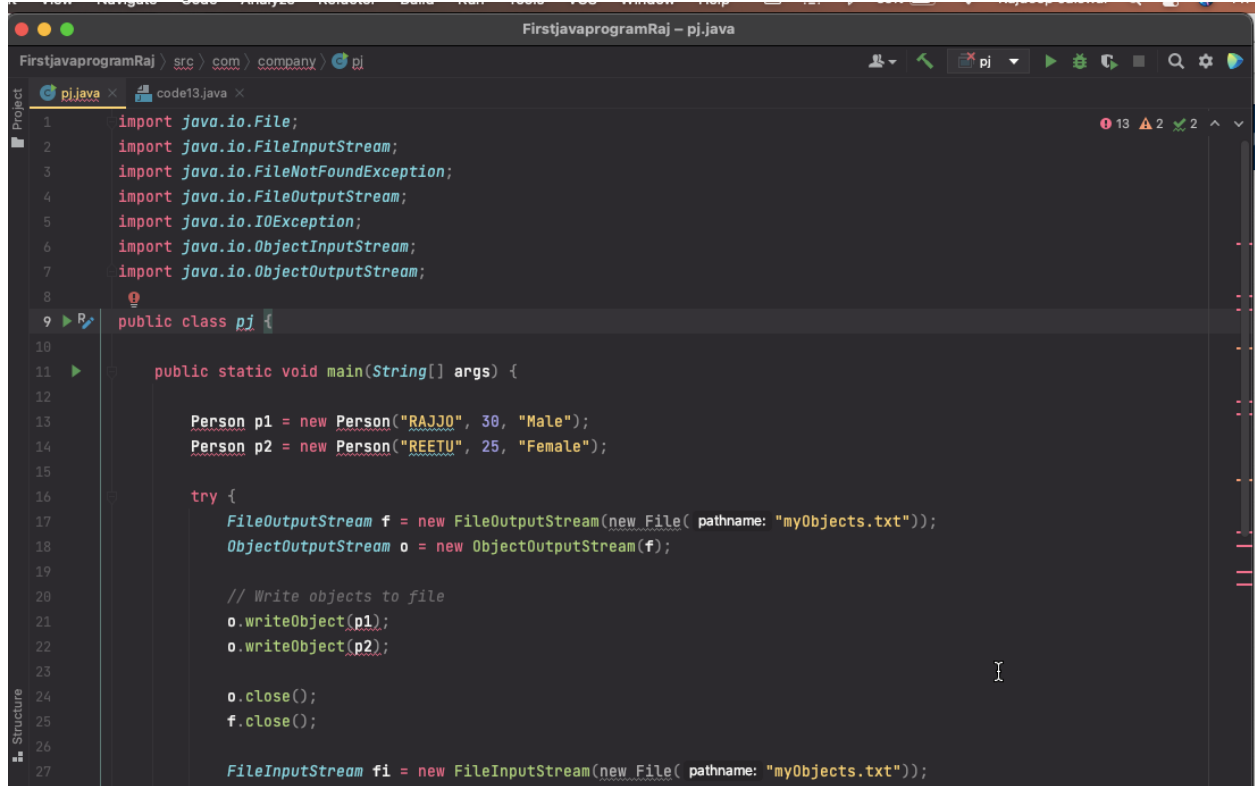UID -20BCS2761   Subject – Java Lab

1. Aim/Overview of the practical:

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

Sol –

Code in Compiler

```java
import java.io.File;
import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.FileOutputStream;
import java.io.IOException;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;

public class pj {

    public static void main(String[] args) {

        Person p1 = new Person("RAJJO", 30, "Male");
        Person p2 = new Person("REETU", 25, "Female");

        try {
            FileOutputStream f = new FileOutputStream(new File( pathname: "myObjects.txt"));
            ObjectOutputStream o = new ObjectOutputStream(f);

            // Write objects to file
            o.writeObject(p1);
            o.writeObject(p2);

            o.close();
            f.close();

            FileInputStream fi = new FileInputStream(new File( pathname: "myObjects.txt"));
```

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```java
            FileInputStream fi = new FileInputStream(new File( pathname: "myObjects.txt"));
            ObjectInputStream oi = new ObjectInputStream(fi);

            // Read objects
            Person pr1 = (Person) oi.readObject();
            Person pr2 = (Person) oi.readObject();

            System.out.println(pr1.toString());
            System.out.println(pr2.toString());

            oi.close();
            fi.close();

        } catch (FileNotFoundException e) {
            System.out.println("File not found");
        } catch (IOException e) {
            System.out.println("Error initializing stream");
        } catch (ClassNotFoundException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }

    }
```

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.			