2020178048

Write an application to Read a file of objects sequentially with ObjectInputStream and displaying each record.


Program:

```java
import java.io.FileInputStream;

import java.io.FileOutputStream;

import java.io.ObjectInput;

import java.io.ObjectInputStream;

import java.io.ObjectOutput;

import java.io.ObjectOutputStream;

import java.io.Serializable;

import java.util.ArrayList;


class Student implements Serializable
{
        int rollno;

        String name;

        String course;

        public void setData(int rollno,String name,String course)
        {
                this.rollno=rollno;

                this.name=name;

                this.course=course;
        }

        @Override
        public String toString() {
                return "Student [rollno=" + rollno + ", name=" + name + ", course=" + course + "]";
        }



}
```
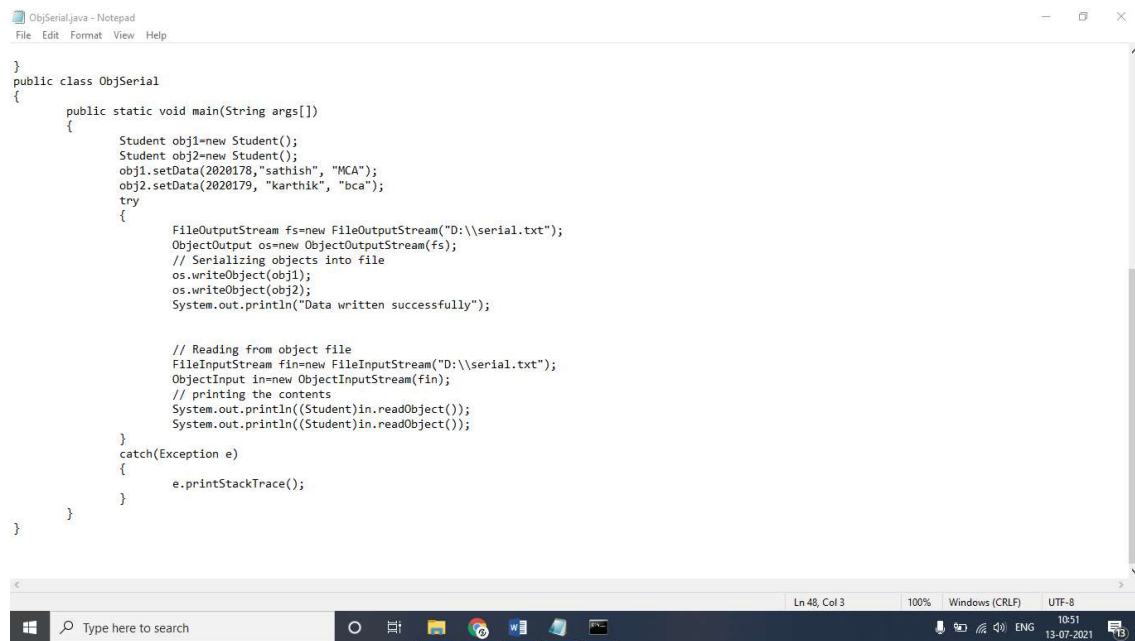
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```java
public class ObjSerial
{
        public static void main(String args[])
        {
                Student obj1=new Student();
                Student obj2=new Student();
                obj1.setData(2020178,"sathish", "MCA");
                obj2.setData(2020179, "karthik", "bca");
                try
                {
                        FileOutputStream fs=new FileOutputStream("D:\\serial.txt");
                        ObjectOutput os=new ObjectOutputStream(fs);
                        // Serializing objects into file
                        os.writeObject(obj1);
                        os.writeObject(obj2);
                        System.out.println("Data written successfully");


                        // Reading from object file
                        FileInputStream fin=new FileInputStream("D:\\serial.txt");
                        ObjectInput in=new ObjectInputStream(fin);
                        // printing the contents
                        System.out.println((Student)in.readObject());
                        System.out.println((Student)in.readObject());
                }
                catch(Exception e)
                {
                        e.printStackTrace();
                }
        }
}
```
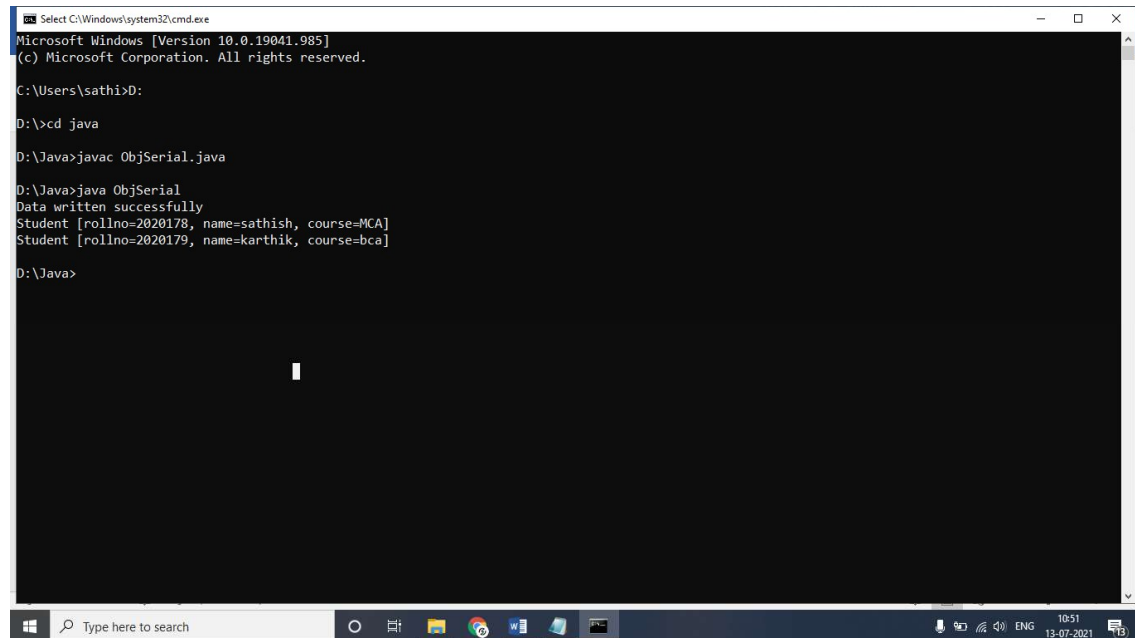
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Program Screenshot



Output: