

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

Program:

```
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 + "]\n";
    }
}
```

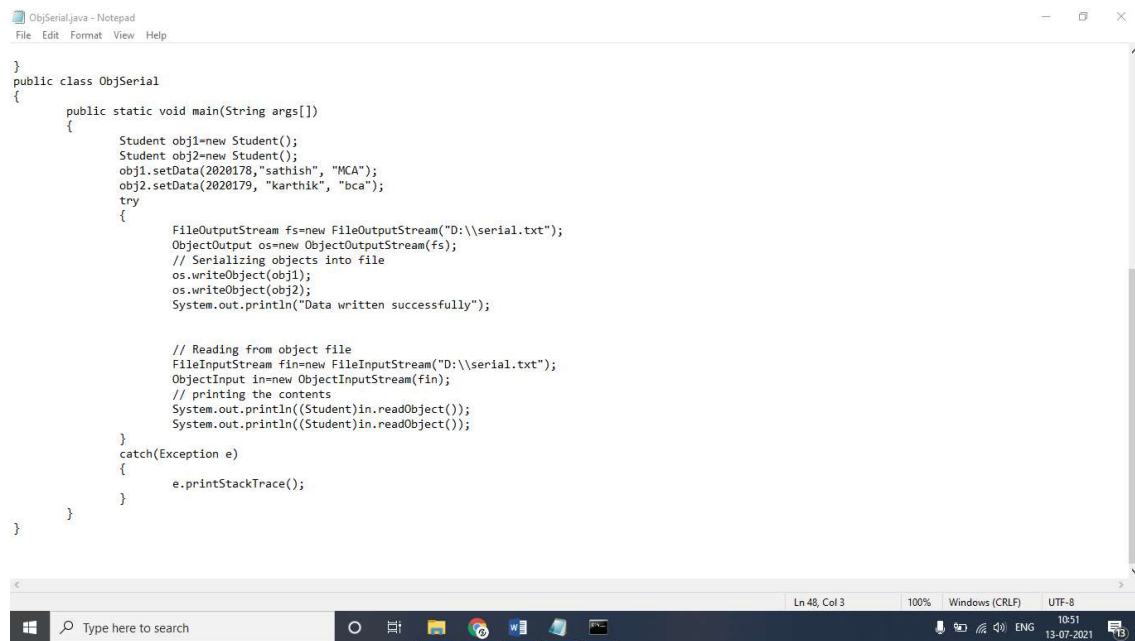
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```
public class ObjSerial
{
    public static void main(String args[])
    {
        Student obj1=new Student();
        Student obj2=new Student();
        obj1.setData(2020178,"sathish", "MCA");
        obj2.setData(2020179, "karthik", "bca");
        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

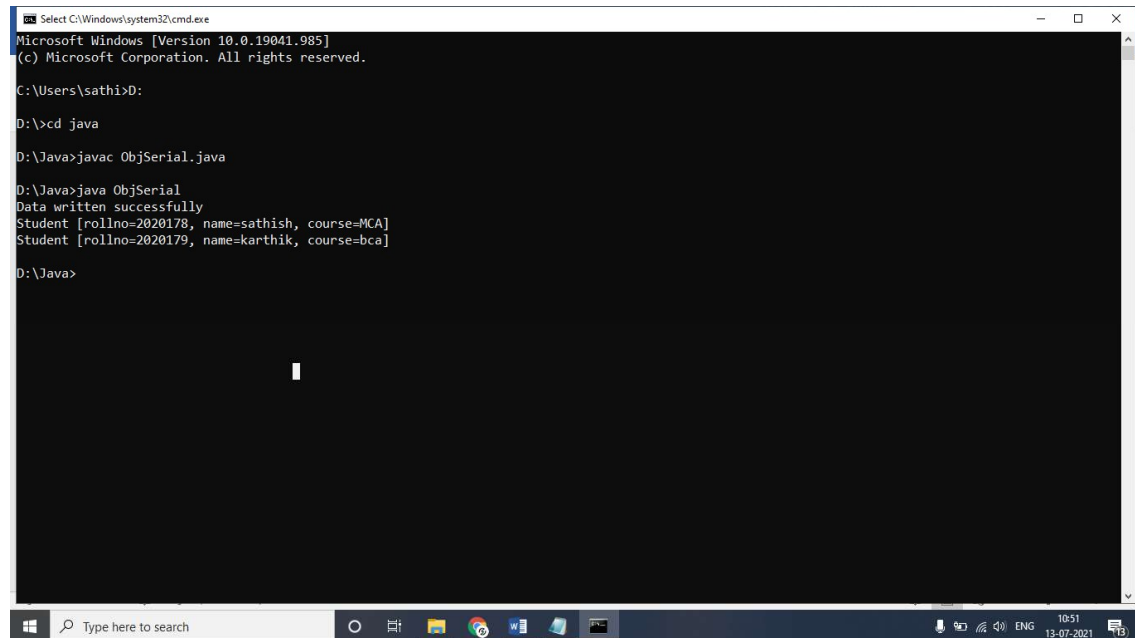


```
ObjSerial.java - Notepad
File Edit Format View Help

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Output:



```
Select C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19041.985]
(c) Microsoft Corporation. All rights reserved.

C:\Users\sathi>D:
D:\>cd java
D:\Java>javac ObjSerial.java
D:\Java>java ObjSerial
Data written successfully
Student [rollno=2020178, name=sathish, course=MCA]
Student [rollno=2020179, name=karthik, course=bca]
D:\Java>
```