

## BUFFERED WRITER

CODE:

```
package javaapplication14;

import java.io.*;

// Define the Student class that implements Serializable
class Student implements java.io.Serializable {

    public String stu_Name;

    public String stu_Addr;

    public int stu_Id;

}

public class JavaApplication14 {

    public static void main(String[] args) {

        // Create a Student object

        Student std = new Student();

        std.stu_Name = "dharani mohan";

        std.stu_Addr = "ABC,riya";

        std.stu_Id = 192324008;

        // To hold the deserialized byte-stream

        Student deserializedStudent;

        try {

            // Serializing the student object - std

            FileOutputStream fileOut = new
FileOutputStream("C:/JavaProgramming/gameData/Highscores.txt");

            ObjectOutputStream out = new ObjectOutputStream(fileOut);
```

```

        out.writeObject(std);

        out.close();

        fileOut.close();

        // Serialization complete

        System.out.printf("Object serialized\n");


        // Deserialization process

        FileInputStream fileIn = new
FileInputStream("C:/JavaProgramming/gameData/Highscores.txt");

        ObjectInputStream in = new ObjectInputStream(fileIn);


        // Deserialization

        deserializedStudent = (Student) in.readObject();

        in.close();

        fileIn.close();


        // Printing the deserialized object

        System.out.println("Deserialized Student...");

        System.out.println("Name: " + deserializedStudent.stu_Name);

        System.out.println("Address: " + deserializedStudent.stu_Addr);

        System.out.println("ID: " + deserializedStudent.stu_Id);


        // Buffered Writing Example

        try (BufferedWriter bufferedWriter = new BufferedWriter(new
FileWriter("C:/JavaProgramming/gameData/StudentInfo.txt"))) {

            bufferedWriter.write("Name: " + deserializedStudent.stu_Name + "\n");

            bufferedWriter.write("Address: " + deserializedStudent.stu_Addr + "\n");

            bufferedWriter.write("ID: " + deserializedStudent.stu_Id + "\n");

        }

        System.out.println("Buffered writing to StudentInfo.txt completed.");

    } catch (IOException i) {

```

```
i.printStackTrace();  
} catch (ClassNotFoundException c) {  
    System.out.println("Class not found");  
    c.printStackTrace();  
}  
}  
}
```

OUTPUT:

The screenshot shows an IDE window with a menu bar (File, Edit, View) and a toolbar. The main editor area displays the output of a Java program, which includes the text "E:)" followed by three lines of data: "Name: dharani mohan", "Address: ABC,riya", and "ID: 192324008". The text "dharani mohan" and "ABC,riya" are underlined with red dashed lines. To the right of the editor is a sidebar with a "Date modified" header and a list of dates and times. The dates are: "20-08-2024 09:32 AM", "20-08-2024 09:27 AM", "21-08-2024 02:48 PM", "19-08-2024 02:58 PM", "21-08-2024 02:27 PM", and "21-08-2024 02:16 PM". The last date, "21-08-2024 02:16 PM", is highlighted with a grey background.

Date modified
20-08-2024 09:32 AM
20-08-2024 09:27 AM
21-08-2024 02:48 PM
19-08-2024 02:58 PM
21-08-2024 02:27 PM
21-08-2024 02:16 PM

