

Code:

```
import java.io.*;
import java.io.Serializable;

class Data implements java.io.Serializable{
    public String name;
    public int age;

    public Data(String name, int age){
        this.name = name;
        this.age = age;
    }
}

class Practical19{
    public static void main(String[] args){

        Data obj = new Data("Pratyay Dhond",18);
        String filename = "output.txt";

        try{
            FileOutputStream file = new FileOutputStream(filename);
            ObjectOutputStream out = new ObjectOutputStream(file);

            out.writeObject(obj);
            out.close();
            file.close();

            System.out.println("Object Serialization Completed Successfully");

        }catch(Exception e){
            System.out.println("Error : Object Serialization Failed");
            System.out.println("Error : " + e);
        }

        try{
            FileInputStream file = new FileInputStream(filename);
            ObjectInputStream in = new ObjectInputStream(file);

            Data from_file = null;

            from_file = (Data) in.readObject();
            in.close();
            file.close();


            System.out.println("Object De-Serialization complete");
            System.out.println("Name " + from_file.name);
        }
```

```
        System.out.println("Age " + from_file.age);
    }catch(Exception e){
        System.out.println("Error : Object De-Serialization failed...");
        System.out.println("Error : " + e);
    }

}

}
```

Output:



```
Command Prompt
D:\_3rdYrNotes\IT-3rd-year-notes\Java\19>java Practical19
Object Serialization Completed Successfully
Object De-Serialization complete
Name Pratyay Dhond
Age 18
D:\_3rdYrNotes\IT-3rd-year-notes\Java\19>
```

Output on terminal

output.txt - Notepad

File Edit Format View Help

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Pratyay Dhond

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Serialised data stored in file

