```java
1  package com.example.coach.outils;
2
3  import android.content.Context;
4
5  import java.io.FileInputStream;
6  import java.io.FileNotFoundException;
7  import java.io.FileOutputStream;
8  import java.io.IOException;
9  import java.io.ObjectInputStream;
10 import java.io.ObjectOutputStream;
11 import java.io.StreamCorruptedException;
12
13 public abstract class Serializer {
14     /**
15      * Serialisation d un objet
16      * @param filename
17      * @param object
18      * @param context
19      */
20     public static void serialize(String filename, Object object
   , Context context){
21         try{
22             FileOutputStream file = context.openFileOutput(
   filename, Context.MODE_PRIVATE);
23             ObjectOutputStream oos;
24             try{
25                 oos = new ObjectOutputStream(file);
26                 oos.writeObject(object);
27                 oos.flush();
28                 oos.close();
29             }catch(IOException ioe){
30                 // erreur de serialisation
31                 ioe.printStackTrace();
32             }
33         }catch(FileNotFoundException fne){
34             //
35             fne.printStackTrace();
36         }
37     }
38
39     /**
40      *
41      * @param filename
42      * @param context
43      * @return
44      */
45     public static Object deSerialize(String filename, Context
   context) {
46         try {
47             FileInputStream file = context.openFileInput(
```

```java
47 filename);
48             ObjectInputStream ois;
49             try {
50                 ois = new ObjectInputStream(file);
51                 try {
52                     Object object = ois.readObject();
53                     ois.close();
54                     return object;
55                 } catch (ClassNotFoundException cnfe) {
56                     cnfe.printStackTrace();
57                 }
58             } catch (StreamCorruptedException sce) {
59                 sce.printStackTrace();
60             } catch (IOException ioe) {
61                 ioe.printStackTrace();
62             }
63         } catch (FileNotFoundException fne) {
64             fne.printStackTrace();
65         }
66         return null;
67     }
68 }
69
```