The file Objects.dat contains a number of Objects. Using reflection write a program that displays

1. The name of the class found in the file
2. Field details: Name and Type found in the objects in the file
3. Display the content of the object displayed in the file

The following code demonstrates how to read an object from a file.

ObjectsFromFile.java *

```java
1   import java.io.*;
2
3   class ObjectFromFile{
4
5   public static void main(String args[]){
6
7       boolean data = true;
8       try{
9
10          File f = new File("Objects.dat");
11          if (!f.exists()) {
12              Screen.message("Can not find file !!!!!");
13          }else{
14              FileInputStream FIS = new FileInputStream(f);
15              ObjectInputStream OIS = new ObjectInputStream(FIS);
16
17              while(data){
18                  try{
19
20                      Object o = (Object) OIS.readObject();
21
22                  }catch(EOFException end){
23                      data = false;
24                  } // catch
25              } // while loop
26          } // end else
27
28      }catch(Exception e){
29          Screen.message("Problem reading from file" + e);
30      }
31   } // end main
32  }
33
```