

**Compte rendu TP 7 :**

**Sérialisation**

Atelier Java

**Travail réalisé par :**

Mohamed Aziz Bellaaj

**Groupe :** GL 2/2

Etudiant.java

|  |
| --- |
| import java.io.\*;  public class Etudiant implements Serializable{  public String nom;  public String prenom;  public String note;  public Etudiant(String nom, String prenom, String note){  this.nom=nom;  this.prenom=prenom;  this.note=note;  }    } |

Etudiants.java

|  |
| --- |
| import java.io.\*;  import java.util.ArrayList;  public class Etudiants implements Serializable{  public ArrayList<Etudiant> list;  public Etudiants() {  this.list = new ArrayList<Etudiant>();  }  } |

SaveMultipleEtudiant.java

|  |
| --- |
| import java.io.\*;  import java.util.Scanner;  public class SaveMultipleEtudiant {  public static void main(String[] args) {  Scanner sc = new Scanner(System.in);  Etudiants et = new Etudiants();  boolean cond = true;  while (cond) {  System.out.println("nom = ");  String nom = sc.nextLine();  System.out.println("prenom = ");  String prenom = sc.nextLine();  System.out.println("note = ");  String note = sc.nextLine();  Etudiant e = new Etudiant(nom, prenom, note);  et.list.add(e);  System.out.println("type true to continue, false to exit");  cond = sc.nextBoolean();  sc.nextLine();  }  try {  File f = new File("Etudiants.ser");  FileOutputStream of = new FileOutputStream(f);  ObjectOutputStream objf = new ObjectOutputStream(of);  objf.writeObject(et);  objf.close();  } catch (Exception ex) {  }  }  } |

DeSerializerEtudiant.java

|  |
| --- |
| import java.io.\*;  public class DeSerializerEtudiant {  public static void main(String[] args) {  ObjectInputStream ois = null;  try {  FileInputStream fichier = new FileInputStream("Etudiants.ser");  ois = new ObjectInputStream(fichier);  Etudiants etudiants = (Etudiants) ois.readObject();  for (Etudiant e : etudiants.list) {  System.out.println("");  System.out.println("nom : " + e.nom);  System.out.println("prenom : " + e.prenom);  System.out.println("note : " + e.note);  }  } catch (Exception e) {  } finally {  try {  if (ois != null) {  ois.close();  }  } catch (Exception ex) {  }  }  }  } |