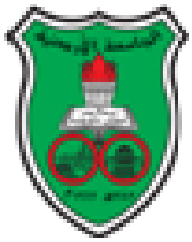

Jordan University
Department of Computer Engineering
Networks and Internet Programming
Assignment3

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The attached file *studinfo.out* contains a number of serialized *Student* objects. The code used to serialize the objects is shown below. Study the code, and then write a code that reads the serialized objects. For the de-serialized objects, you should use appropriate writer(s) to write the String returned from invoking the *toString* method for each one of them to a new line in a file named *students.txt*.

Note that your code should append the new students' details to the file *students.txt* rather than overwrite its contents. You can test this requirement by running your code multiple times and making sure that in each time the read students are appended to the file.

```
try{
        BufferedReader reader = new BufferedReader(new InputStreamReader(System.in));
        System.out.println("Please enter number of students to be saved: ");
        int number = Integer.parseInt(reader.readLine());
        FileOutputStream fout = new FileOutputStream("studinfo.out");
        ObjectOutputStream oout = new ObjectOutputStream(fout);
        oout.writeInt(number);
        for(int i=0; i<number; i++){
           System.out.println ("Student name :-");
           String name=reader.readLine();
           System.out.println ("Student ID :-");
           int ID=Integer.parseInt (reader.readLine());
           System.out.println ("Student GPA :-");
           double GPA=Double.parseDouble(reader.readLine());
           Student s = new Student(name, ID, GPA);
           oout.writeObject(s);
        }
        fout.close();
}
catch (IOException ioe){
        System.err.println (ioe);
}
```