

```

1 public class Person {
2
3     private long id;
4     private String name;
5     private int age;
6     private boolean married;
7
8     private static final int NAME_LIMIT = 20;
9     public static final int SIZE = 8 + 2 * NAME_LIMIT + 4 + 1;
10
11     public Person(long id,
12                  String name,
13                  int age,
14                  boolean married) {
15         this.id = id;
16         this.name = name;
17         this.age = age;
18         this.married = married;
19     }
20
21     public int getAge() {
22         return age;
23     }
24
25     public long getId() {
26         return id;
27     }
28
29     public boolean isMarried() {
30         return married;
31     }
32
33     public String getName() {
34         return name;
35     }
36
37     public String toString() {
38         return "Person{" + "id=" + id + " name=" + name +
39             " age=" + age + " married=" + married + '}';
40     }
41
42     public byte[] toBytes() {
43         byte[] record = new byte[SIZE];
44         int offset = 0;
45         PackUtils.packLong(id, record, offset);
46         offset += 8;
47         PackUtils.packLimitedString(name, NAME_LIMIT,
48                                     record, offset);
49         offset += 2 * NAME_LIMIT;
50
51         PackUtils.packInt(age, record, offset);
52         offset += 4;
53         PackUtils.packBoolean(married, record, offset);
54         return record;
55     }
56
57     public static Person fromBytes(byte[] record) {
58         int offset = 0;
59         long id = PackUtils.unpackLong(record, offset);
60         offset += 8;
61         String name = PackUtils.unpackLimitedString(NAME_LIMIT,
62                                                     record,
63                                                     offset);
64         offset += 2 * NAME_LIMIT;
65         int age = PackUtils.unpackInt(record, offset);
66         offset += 4;
67         boolean married = PackUtils.unpackBoolean(record, offset);
68         return new Person(id, name, age, married);
69     }
70 }

```