

Soluzione Esercizio 2

```

1 // Taccuino.java
2
3 import java.io.*;
4 import java.util.*;
5
6 public class Taccuino implements Serializable {
7
8     private final String questione;
9     private final String[] proposte;
10
11     public Taccuino(int dim, String q) {
12         questione = q;
13         proposte = new String[dim];
14         Arrays.fill(proposte, " ");
15     }
16
17     public void proponi(int partecipante, String proposta) {
18         this.proposte[partecipante] = proposta;
19     }
20 }

```



```

1 // Tavolo.java
2
3 import java.net.*;
4 import java.io.*;
5
6 public class Tavolo {
7     public static void main(String[] args) {
8         Taccuino taccuino = new Taccuino(Integer.parseInt(args[0]), args[1]);
9         ServerSocket servsock;
10         Socket sock;
11         ObjectOutputStream oos;
12         ObjectInputStream ois;
13
14         try {
15             servsock = new ServerSocket(8080);
16             while(true) {
17                 sock = servsock.accept();
18                 oos = new ObjectOutputStream(sock.getOutputStream());
19                 ois = new ObjectInputStream(sock.getInputStream());
20                 oos.writeObject(taccuino);
21                 taccuino = (Taccuino)ois.readObject();
22                 ois.close();
23                 oos.close();
24                 sock.close();
25             }
26         } catch (Exception e) { e.printStackTrace();}
27     }
28 }

```

```
1 // Partecipante.java
2
3 import java.net.*;
4 import java.io.*;
5 import com.thoughtworks.xstream.*;
6
7 public class Partecipante {
8     public static void main(String args[]) {
9         try (
10             Socket sock = new Socket("localhost", 8080);
11             ObjectOutputStream oos = new ObjectOutputStream(sock.getOutputStream());
12             ObjectInputStream ois = new ObjectInputStream(sock.getInputStream())
13         ) {
14             Taccuino taccuino = (Taccuino)ois.readObject();
15             taccuino.proponi(Integer.parseInt(args[0]), args[1]);
16             XStream xstream = new XStream();
17             System.out.println(xstream.toXML(taccuino));
18             oos.writeObject(taccuino);
19         } catch (Exception e) { e.printStackTrace();}
20     }
21 }
```