

```
1 package mud;
2
3 import java.net.InetAddress;
4 import java.rmi.Naming;
5 import java.rmi.RMISecurityManager;
6 import java.rmi.server.UnicastRemoteObject;
7
8 /**
9  * @author stefanrudvin 51549217
10  *
11  * Class modified from practicals.rmishout.ShoutServerMainline.java
12  */
13 public class MUDServerMainline {
14
15     public static void main(String args[])
16     {
17
18         if (args.length < 2) {
19             System.err.println( "Usage:\njava ShoutServerMainline <registryport> <serverport>"
20 ) ;
21             return;
22         }
23         try
24         {
25             String hostname = (InetAddress.getLocalHost()).getCanonicalHostName() ;
26
27             // specify at which port the rmiregistry is listening for binding and
28             // lookup requests
29
30             int registryPort = Integer.parseInt( args[0] ) ;
31
32             int servicePort = Integer.parseInt( args[1] );
33
34             System.setProperty( "java.security.policy", "mud.policy" ) ;
35             System.setSecurityManager( new RMISecurityManager() ) ;
36
```

```
37         MUDServiceImpl MUDService = new MUDServiceImpl();
38
39         MUDServiceInterface MUDStub =
40             (MUDServiceInterface) UnicastRemoteObject.exportObject( MUDService,
41                 servicePort );
42
43         // create a URL that uniquely identifies the registered service
44
45         String regURL = "rmi://" + hostname + ":" + registryPort + "/MUDService";
46
47         System.out.println("Registering " + regURL );
48
49         // Finally, register the stub of the remote object with the rmiregistry
50
51         Naming.rebind( regURL, MUDStub );
52
53         // Note the server will not shut down!
54     }
55     catch(java.net.UnknownHostException e) {
56         System.err.println( "Cannot get local host name." );
57         System.err.println( e.getMessage() );
58     }
59     catch (java.io.IOException e) {
60         System.err.println( "Failed to register." );
61         System.err.println( e.getMessage() );
62     }
63 }
64 }
65 }
```