```
/*
CS2524: DISTRIBUTED SYSTEMS AND SECURITY
ASSESSMENT MUD GAME
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*/


package cs3524.solutions.mud;

import java.rmi.Naming;
import java.lang.SecurityManager;
import java.net.InetAddress;
import java.rmi.server.UnicastRemoteObject;

/*
command to run me:

java cs3524.solutions.mud.MUDserver 50010 50011
java cs3524.solutions.mud.MUDserver <registry port> <server port>

*/


public class MUDserver
{
    public static void main(String args[])
    {
        if (args.length < 2) {
            System.err.println( "Usage:\njava mudserver <registryport> <serverport>" ) ;
            return;
        }

        try {
            String hostname = (InetAddress.getLocalHost()).getCanonicalHostName() ;
            int registryport = Integer.parseInt( args[0] ) ;
            int serverport = Integer.parseInt( args[1] ) ;

        System.out.println("server created on port " + Integer.toString(registryport));


            System.setProperty( "java.security.policy", "mud.policy" ) ;
            System.setSecurityManager( new SecurityManager() ) ;



                //create new instance of MUDServiceImplementation

                MUDServiceImplementation MUDservice = new MUDServiceImplementation();

                //create new stub for MUD service interface
                MUDinterface stub = (MUDinterface)UnicastRemoteObject.exportObject(MUDser
vice, serverport);

                //building the url
        Naming.rebind( "rmi://" + hostname + ":" + registryport + "/Mudservice", stub );



        System.out.println("Host name: " + hostname);
                System.out.println("Server Port: " + serverport);
        System.out.println("Registry Port: " + registryport);


           //call service method that creates new MUD instance for first MUD on server

                MUDservice.makeMUD("default");


        }
        catch(java.net.UnknownHostException e) {
            System.err.println( "java can't find the localhost!" );
        }
        catch (java.io.IOException e) {
            System.out.println( "failed to register." );
        }
    }
}
```