

```
1  /**
2  This is the server which is responsible for binding remote objects
3  into the rmi Registry and starts it.
4  */
5  import java.rmi.*;
6  import java.rmi.registry.*;
7
8  public class Server{
9      private static String HOST_NAME = "localhost";
10     private static Registry registry;
11     private static String registry_port = "1099";
12     private static String remote_object;
13
14     //constructor that binds the remote_object to the rmiRegistry with default name
    "Adder"
15     public Server()throws Exception{
16         this("Adder");
17         Addimp remote_obj = new Addimp();
18         Naming.rebind("rmi://" + HOST_NAME + ":" + registry_port + "/" + remote_object, remote_obj);
19         System.out.println("Server is running.");
20     }
21
22     //constructor with a parameter as name of the remote object
23     public Server(String remote_object){
24         this.remote_object = remote_object;
25     }
26
27     //registry must be started before binding an object into it.
28     public static void startRegistry(int port)throws Exception{
29         registry = LocateRegistry.createRegistry(Integer.parseInt(registry_port));
30     }
31
32     public static void main(String...args)throws Exception{
33         /*Remember:
34         RMI's class loader will download classes from remote locations
35         only if a security manager has been set.
36         if(System.getSecurityManager()==null)
37             System.setSecurityManager(new java.lang.SecurityManager());*/
38
39         startRegistry(Integer.parseInt(registry_port));
40
41         //server is set up
42         new Server();
43     }
44 }
```