**Exercise 4.4: Mocking Network Interactions**

**CODE:**

**NetworkClient Interface: -**

package org.example;  
  
public interface NetworkClient{  
 String connect();  
}

**NetworkService Class: -**

package org.example;  
  
public class NetworkService{  
 private NetworkClient networkClient;  
  
 public NetworkService(NetworkClient networkClient) {  
 this.networkClient = networkClient;  
 }  
  
 public String connectToServer() {  
 String conn = networkClient.connect();  
 System.*out*.println("Connecting using: " + conn);  
 return "Connected to " + conn;  
 }  
}

**NetworkServiceTest Class: -**

package org.example;  
  
public class NetworkService{  
 private NetworkClient networkClient;  
  
 public NetworkService(NetworkClient networkClient) {  
 this.networkClient = networkClient;  
 }  
  
 public String connectToServer() {  
 String conn = networkClient.connect();  
 System.*out*.println("Connecting using: " + conn);  
 return "Connected to " + conn;  
 }  
}

**OUTPUT:**

