Agathe Perrin

25/05/2021

Exercice 1

Pour compiler le fichier java, il est nécessaire d'avoir la commande javac fournie par le jdk java.

```
sudo apt update
sudo apt install openjdk-11-jdk-headless
```

J'ai donc réalisé le fichier java suivant :

```
import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.io.PrintStream;
import java.net.ServerSocket;
import java.net.Socket;
public class tp4Ex1 {
     final static int port = 9632;
        public static void main(String[] args) {
          try {
            ServerSocket socketServeur = new ServerSocket(port);
            System.out.println("Lancement du serveur");
            while (true) {
              Socket socketClient = socketServeur.accept();
              //String message = "";
              System.out.println("Connexion avec :
"+socketClient.getInetAddress());
              BufferedReader in = new BufferedReader(
                new InputStreamReader(socketClient.getInputStream()));
              PrintStream out = new
PrintStream(socketClient.getOutputStream());
              //message = in.readLine();
              out.println(/*message*/"Bonjour");
              socketClient.close();
            }
          } catch (Exception e) {
            e.printStackTrace();
          }
```

```
javac tp4Ex1.java
java tp4Ex1
```

Exercice 2

```
import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.io.PrintStream;
import java.net.ServerSocket;
import java.net.Socket;
import java.util.Scanner;
public class tp4Ex2 {
     final static int port = 9632;
     public static void main(String[] args) {
            try {
                  ServerSocket socketServeur = new ServerSocket(port);
                  System.out.println("Lancement du serveur");
                  Socket socketClient = socketServeur.accept();
                  System.out.println("Connexion avec :
"+socketClient.getInetAddress());
                  boolean endless = true;
                  while (endless) {
                        String message = "";
                        // InputStream in =
socketClient.getInputStream();
                        // OutputStream out =
socketClient.getOutputStream();
                        BufferedReader in = new BufferedReader(new
InputStreamReader(socketClient.getInputStream()));
                        PrintStream out = new
PrintStream(socketClient.getOutputStream());
                        message = in.readLine();
                        System.out.println(message);
                        if ("fin".equals(message)) {
                              endless = false;
                        } else {
                              Scanner sc = new Scanner(System.in);
                              System.out.println("Entrez votre message :
");
                              String send = sc.nextLine();
                              out.println(send);
                        }
                  }
                  socketClient.close();
            } catch (Exception e) {
                  e.printStackTrace();
            }
      }
```

```
javac tp4Ex2.java
java tp4Ex2
```

```
tpuser@u-bio192-2-0023:/tmp/telnetd-2.0$ telnet 127.0.0.1 9632

Trying 127.0.0.1...

Connected to 127.0.0.1.

Escape character is '^]'.

Bonjour

Bonjour, comment ça va?

Super et toi?

Super !

fin

Connection closed by foreign host.

tpuser@u-bio192-2-0023:/tmp/telnetd-2.0$

tpuser@u-bio192-2-0023:~/Bureau$ java tp4Ex2

Lancement du serveur

Connexion avec: /127.0.0.1

Bonjour

Entrez votre message:

Bonjour, comment ça va?

Super et toi?

Super et toi?

Super !

fin

tpuser@u-bio192-2-0023:/tmp/telnetd-2.0$
```

Exercice 3