Bài tập tuần 2:

File Server:

```
package BTTH Tuan3 2.Bai2;
public class Server {
    public static void main(String[] args) {
            ServerSocket serverSocket = new ServerSocket(1234)) {
                System.out.println("Server is running...");
                    Socket clientSocket = serverSocket.accept();
                    System.out.println("Client connected: " + clientSocket.
getInetAddress().getHostAddress());
                    BufferedReader in = new BufferedReader(new
InputStreamReader(clientSocket.getInputStream()));
                    PrintWriter out = new PrintWriter(clientSocket.
getOutputStream(), true);
                    String input = in.readLine();
                    System.out.println("Received message from client: " +
 input);
                    String output = input.toUpperCase();
                    out.println(output);
                    // Đóng kết nôí
                    clientSocket.close();
        } catch (IOException e) {
            e.printStackTrace();
```

File Client:

```
package BTTH Tuan3 2.Bai2;
public class Server {
    public static void main(String[] args) {
            ServerSocket serverSocket = new ServerSocket(1234)) {
                System.out.println("Server is running...");
                while (true) {
                    Socket clientSocket = serverSocket.accept();
                    System.out.println("Client connected: " + clientSocket.
getInetAddress().getHostAddress());
                    BufferedReader in = new BufferedReader(new
InputStreamReader(clientSocket.getInputStream()));
                    PrintWriter out = new PrintWriter(clientSocket.
getOutputStream(), true);
                    String input = in.readLine();
                    System.out.println("Received message from client: " +
 input);
                    String output = input.toUpperCase();
                    out.println(output);
                    clientSocket.close();
        } catch (IOException e) {
            e.printStackTrace();
```

Kết quả:

```
d_Programming$ javac BTTH_Tuan3_2/Bai2/Client.java
quangvid@quangvid-Latitude-E5550:~/Documents/GitHub/Object_Orien
d_Programming$ java BTTH_Tuan3_2.Bai2.Client
Sent message to server: I'm your friend.
Received message from server: I'M YOUR FRIEND.
quangvid@quangvid-Latitudequangvid@quangvid-Latitude-E5550:~/Documents/GitHub/
```

Bài kiểm tra:

File Server:

```
package BTTH Tuan3 2.BAI KIEM TRA;
public class phanServer {
    public static void main(String[] args) {
             try (// Tao đôí tương ServerSocket với công 1234
             ServerSocket serverSocket = new ServerSocket(1234)) {
                  System.out.println("Server is running...");
                  while (true) {
                       Socket clientSocket = serverSocket.accept();
                       System.out.println("Client connected: " + clientSocket.
getInetAddress().getHostAddress());
                       BufferedReader in = new BufferedReader(new
InputStreamReader(clientSocket.getInputStream()));
                      PrintWriter out = new PrintWriter(clientSocket.
getOutputStream(), true);
                       double num1 = Double.parseDouble(in.readLine());
                       double num2 = Double.parseDouble(in.readLine());
                      out.println("Tông: " + (num1 + num2));
out.println("Hiệu: " + (num1 - num2));
out.println("Tích: " + (num1 * num2));
out.println("Thương: " + (num1 / num2));
                       clientSocket.close();
             } catch (NumberFormatException e) {
                  e.printStackTrace();
         } catch (IOException e) {
             System.out.println("Error: " + e.getMessage());
```

File Client:

```
package BTTH Tuan3 2.BAI KIEM TRA;
public class phanClient {
   public static void main(String[] args) {
           Socket clientSocket = new Socket("localhost", 1234);
            BufferedReader in = new BufferedReader(new InputStreamReader
(clientSocket.getInputStream()));
            PrintWriter out = new PrintWriter(clientSocket.getOutputStream
(), true);
            BufferedReader reader = new BufferedReader(new InputStreamReader
(System.in));
            System.out.print("Nhập số thứ nhất: ");
            double num1 = Double.parseDouble(reader.readLine());
            System.out.print("Nhập số thứ hai: ");
            double num2 = Double.parseDouble(reader.readLine());
            out.println(num1);
            out.println(num2);
            System.out.println("Kêt quả từ server:");
            System.out.println(in.readLine());
            System.out.println(in.readLine());
            System.out.println(in.readLine());
            System.out.println(in.readLine());
            clientSocket.close();
        } catch (UnknownHostException e) {
            System.out.println("Error: " + e.getMessage());
        } catch (IOException e) {
            System.out.println("Error: " + e.getMessage());
```

```
quangvid@quangvid-Latitude-E5550:~/Documents/GitHub/Object_Oriented
java BTTH_Tuan3_2.BAI_KIEM_TRA.phanClient
Nhập số thứ nhất: 12
Nhập số thứ hai: 06
Kết quả từ server:
Tổng: 18.0
Hiệu: 6.0
Tích: 72.0
Thương: 2.0
quangvid@quangvid-Latitude-E5550:~/Documents/GitHub/Object_Oriented
```