

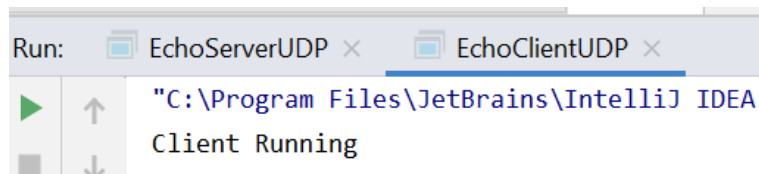
Project 2 Task 1 Description

(a) Changed "arg[0]" to "localhost"

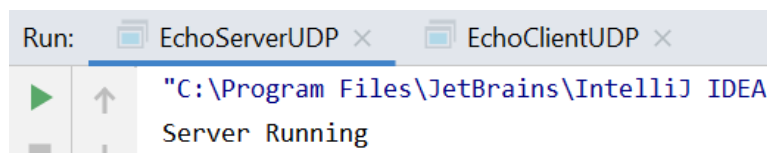
```
try {  
    //initializing the host of the client as the localhost or the same machine  
    InetAddress aHost = InetAddress.getByName("localhost");  
    //defining the serverPort as 6789, same as used in the server  
    int serverPort = 6789;  
    //making a new Datagram Socket  
    aSocket = new DatagramSocket();  
    //defining a string to read the line from the console  
    String nextLine;  
    //initializing a buffer reader to read the lines from the console  
    BufferedReader typed = new BufferedReader(new InputStreamReader(System.in));
```

(b) As you can see from the code, each line is of the client and server is commented.

(c) Client Running is printed on the console at the starting



(d) Server Running is printed on the console at the starting



(e) Only the string is printed, used a new byte array in server to copy the String

Client Running

hi

Reply: hi

hello

Reply: hello

Server Running

Message from Client (without trailing zeroes): hi

Message from Client (without trailing zeroes): hello

- (f) (g) (h) quit! is quitting the server and the client and also it is printing appropriate quitting message.

CLIENT:

```
"C:\Program Files\JetBrains\IntelliJ
```

```
Client Running
```

```
hi
```

```
Reply: hi
```

```
hello
```

```
Reply: hello
```

```
quit!
```

```
Quitting client...
```

```
Process finished with exit code 0
```

```
|
```

SERVER:

```
"C:\Program Files\JetBrains\IntelliJ IDEA 2019.2.1\jbr'
```

```
Server Running
```

```
Message from Client (without trailing zeroes): hi
```

```
Message from Client (without trailing zeroes): hello
```

```
Quitting server...
```

```
Process finished with exit code 0
```

- (i) The server is only getting closed by using the client's quit! Otherwise it will run forever as it is using while(true).