

# Computer System Administration 2 – Python Weekly Report 3

*Date: Sunday 26<sup>h</sup> February 2017*

## What I did:

This week I modified the echo server and client to handle the event that the user does not provide the host name and port number or the event that the user put a non-integer value for the port number on which the program will ask the user to re-enter the hostname and port number

## Specification Table

### echo\_client.py

Inputs	Processing	Outputs
hostname port message	If hostname or port number not provided on command line: Ask user to provide them If port number is not an integer: Ask user to provide hostname and port number again Input message Encode message Send encoded message to server Decode reply message from server	Print reply from the server

### echo\_server.py

Inputs	Processing	Outputs
hostname port message	If hostname or port number not provided on command line: Ask user to provide them If port number is not an integer: Ask user to provide hostname and port number again Start server Receive message Decode message Send decoded message to client	Print reply from the client

## Output

(The .py files and their output will be uploaded separately)

## What I learned

Using exception handling to handle problems during program execution gracefully which may have stopped the program from running.

## Problems I have encountered

In this week I didn't have any problems.

## What will be done next week

For next week I will adding threading to the echo server so it can handle multiple clients connecting to it.