

# Computer System Administration 2 – Python Weekly Report 3

*Date: Sunday 12<sup>th</sup> February 2017*

## What I did:

Last week instead of relying on the provided echo server, I wrote my own echo server using Python and the sockets library. This week I improved both my client and server by adding command line arguments to them in which the user can set the port number as an argument when running the python file and the IP address to listen/connect to will be asked normally on the command line.

## Specification Table

### echo\_client.py

Inputs	Processing	Outputs
message	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
message	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 command line arguments as data entry methods in python.

## Problems I have encountered

In this weekly I have not encountered any problems with my programming as there was not a lot of work for this programming wise as all I needed to do was to switch one line of code which takes the port number as an input on the command line to one that takes value of the first command line argument and assign it to the port number.

## What will be done next week

For next week I will adding exception handling to my code to handle common errors the user might encounter while the program is running.