Task 3 Network Distributed Computing

Deliverable 1

```
PS C:\Personal_Projects\Year-3---Semester-2> cd C:\Personal Pr
                                                                   PS C:\Personal_Projects\Year-3---Semester-2> cd C:\Personal_Pr
ojects\Year-3---Semester-2\Semester2.1\Network\Task2
                                                                     ojects\Year-3---Semester-2\Semester2.1\Network\Task2
PS C:\Personal Projects\Year-3---Semester-2\Semester2.1\Networ
                                                                     PS C:\Personal Projects\Year-3---Semester-2\Semester2.1\Networ
k\Task2> python s.py
Connected by ('127.0.0.1', 59652)
                                                                   • k\Task2> python c.py
                                                                     type input: ( try type <ping> with the brackets.
rec: b'<ping>
                                                                     <ping>
found ping command
                                                                     Response:b'We got the ping command on the server'
rec: b'<q>
                                                                     type input: ( try type <ping> with the brackets.
Closing connection and shutting down server
P5 C.\Personal_Projects\rear-5---5emester-2\Semester2.1\Networ
                                                                   PS C:\Personal_Projects\Year-3---Semester-2\Semester2.1\Networ
k\Task2>
                                                                     k\Task2>
```

Deliverable 2

```
# Deliverable 2 Adding the Hello Command
elif b"<hello>" in data:

#Printing to the server
print("We got the hello command")

#Printing to the Client

con.send(b"Hello to you too")

#PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Personal_Projects\Year-3---Semester-2\Semester2.1\Wetwork
k\Task2> python s.py
Connected by ('127.0.0.1', 59736)
rec: b'<hello>
we got the hello command

#Printing to the server
print("We got the hello command")

#Printing to the server
print("We got the hello to you too")

#Printing to the server
print("We got the hello to you too")

#Printing to the server
print("We got the hello to you too")

#Printing to the server
print("We got the hello to you too")

#Printing to the server
print("We got the hello to you too")

#Printing to the server
print("We got the hello command")

#Printing to the server
print("We got the hello command")

#Printing to the server
print("We got the hello command")

#Printing to the server
print("We got the hello command")

#Printing to the server
print("We got the hello command")

#Printing to the server
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print("We got the hello command")

#Printing to the server
#Printing to the server
print("We got the hello command")

#Printing to the server
```

Deliverable 3

Output of parts[0], parts[1], and parts[2].

Parts[0] = '<add

Parts[1] = 1

Part[2]= 2>'

Deliverable 4

Code: var1 = parts[1]

var2 = str(parts[2])[0:-2]

Creates 2 variables 'var1' which holds the value of parts[1] (which prints out as 1) and 'var2' which holds the value of parts[2] (which prints out as 2>') but it also makes it into a string and uses '[0:-2]' to remove the last 2 characters so it would only output the number 2 instead of 2>'.

Deliverable 5

Code: con.send(("Got numbers " + var1+ " and " + var2).encode())

Sends a message to the client using 'con.send' and the message being getting the 2 variables 'var1,var2' and then finally encoding the message from human readable text into low level bytes so that we can send over the socket to the client '.encode()'.

```
PS C:\Personal_Projects\Year-3---Semester-2\Semester2.1\Network\Task2> python s.py

Connected by ('127.0.0.1', 60140)

rec: b'<add-1-2>'
found the add command b'<add

1
2>'

| Connected by ('127.0.0.1', 60140)

| Connected by ('127.0
```