

In [ ]:

```
#Name: Brendan Lucas
#Roll No: 8953
#Div: SE Comps B

#SERVER SIDE

import socket
port = 5000
address = socket.gethostname()
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.bind((address, port))
s.listen(5)
conn, addr = s.accept()
print("Connected To ", addr)
conn.send("Hello, ".encode('ASCII'))
while True:
    data = conn.recv(1024).decode('ASCII')
    if data == "bye":
        break
    else:
        print(data)
        conn.send(input().encode('ASCII'))
        continue
conn.send("Thank you for connecting".encode('ASCII'))
conn.close()
s.close()
```

In [ ]:

```
#Name: Brendan Lucas
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#CLIENT SIDE

import socket
port=5000
address=socket.gethostname()
s= socket.socket (socket.AF_INET, socket.SOCK_STREAM)
s.connect((address, port))
print(s.recv(1024).decode('ASCII'))

while True:
    text=input()
    if text == "bye":
        break
    else:
        s.send(text.encode('ASCII'))
        data=(s.recv(1024).decode('ASCII'))
        print(data)
s.close()
```

In [4]:

```
#Name: Brendan Lucas
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#Program to send emails using Python

import smtplib, ssl

port = 587 # For starttls
smtp_server = "smtp.gmail.com"
sender_email = "brendanlucas01@gmail.com"
receiver_email = "crce.8953.ce@gmail.com"
password = ""
message = ""\
Subject: Hi there

This message is sent from Python."""

context = ssl.create_default_context()
try:
    server = smtplib.SMTP(smtp_server, port)
    server.ehlo() # Can be omitted
    server.starttls(context=context)
    server.ehlo() # Can be omitted
    server.login(sender_email, password)
    server.sendmail(sender_email, receiver_email, message)
    # TODO: Send email here
except Exception as e:
    # Print any error messages to stdout
    print(e)
finally:
    server.quit()
```