📄 README.md	Update : Student Details	now
📄 client.py	Upload : Sucess	38 minutes ago
📄 output.png	Upload : Sucess	38 minutes ago
📄 server.py	Upload : Sucess	38 minutes ago

📖 **README** ✏️ ☰
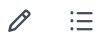
2a_Stop_and_Wait_Protocol

AIM

To write a python program to perform stop and wait protocol

ALGORITHM

1. Start the program.
2. Get the frame size from the user
3. To create the frame based on the user request.
4. To send frames to server from the client side.
5. If your frames reach the server it will send ACK signal to client
6. Stop the Program

PROGRAM

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Client

```python
import socket
s=socket.socket()
s.bind(('localhost', 8001))
s.listen(5)
c,addr=s.accept()
while True:
    i=input("Enter a data: ")
    c.send(i.encode())
    ack=c.recv(1024).decode()
    if ack:
        print(ack)
        continue
    else:
        c.close()
        break
```

Server

```
import socket
s=socket.socket()
s.connect(('localhost', 8001))
while True:
    print(s.recv(1024).decode())
    s.send("Acknowledgement Recived frome the server".encode())
```

OUTPUT

Refer to the screenshot below to see the program's output.

RESULT

Thus, python program to perform stop and wait protocol was successfully executed.