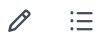




README.md	Update : Student Details	now
client.py	Upload : Sucess	38 minutes ago
output.png	Upload : Sucess	38 minutes ago
server.py	Upload : Sucess	38 minutes ago

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

Developed by : KABELAN G K

Reg No : 212224110027

Client

```
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.

```
PS D:\EVEN JUN\COMPUTER NETWORKS\Experiments\2a_Stop_and_Wait_Protocol> python client.py
Enter a data: Good Morning!
Acknowledgement Recived frome the server
Enter a data: Hi This Kabelan.
Acknowledgement Recived frome the server
Enter a data: Sucessfully implemented Stop and Wait Protocol.
Acknowledgement Recived frome the server
Enter a data: Yeah! It is working fine.
Acknowledgement Recived frome the server
Enter a data:

PS D:\EVEN JUN\COMPUTER NETWORKS\Experiments\2a_Stop_and_Wait_Protocol> python server.py
Good Morning!
Hi This Kabelan.
Sucessfully implemented Stop and Wait Protocol.
Yeah! It is working fine.
[]
```

RESULT

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