

2a\_Stop\_and\_Wait\_Protocol Public

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1 Branch

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Code

This branch is 2 commits ahead of NaliniG007/2a\_Stop\_and\_Wait\_Protocol:main .

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README

# 2a\_Stop\_and\_Wait\_Protocol

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## AIM

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To write a python program to perform stop and wait protocol

## ALGORITHM

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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:

No description, website, or topics provided.

- Readme
- Activity
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- 0 forks

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```
import socket
s=socket.socket()
s.bind(('localhost',8000))
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',8000))
while True:
print(s.recv(1024).decode())
s.send("Acknowledgement Received".encode())
```



## OUTPUT

```
C:\Windows\System32\cmd.exe x + -
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Users\muthu\OneDrive\Desktop\CN>py laclient.py
File "C:\Users\muthu\OneDrive\Desktop\CN\laclient.py", line 7
    i=input("Enter a data: ")
    ^
IndentationError: expected an indented block after 'while' statement on line 6

C:\Users\muthu\OneDrive\Desktop\CN>py laclient.py
File "C:\Users\muthu\OneDrive\Desktop\CN\laclient.py", line 13
    else:
    ****
SyntaxError: invalid syntax

C:\Users\muthu\OneDrive\Desktop\CN>py laclient.py
Enter a data: GANESH PRABHU J
Acknowledgement Received
Enter a data: 212223220023
Acknowledgement Received
Enter a data: II
Acknowledgement Received
Enter a data: AGE 19
Acknowledgement Received
Enter a data:

C:\Windows\System32\cmd.exe x + -
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Users\muthu\OneDrive\Desktop\CN>py iaserver.py
GANESH PRABHU J
212223220023
II
AGE 19
```

## RESULT

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