

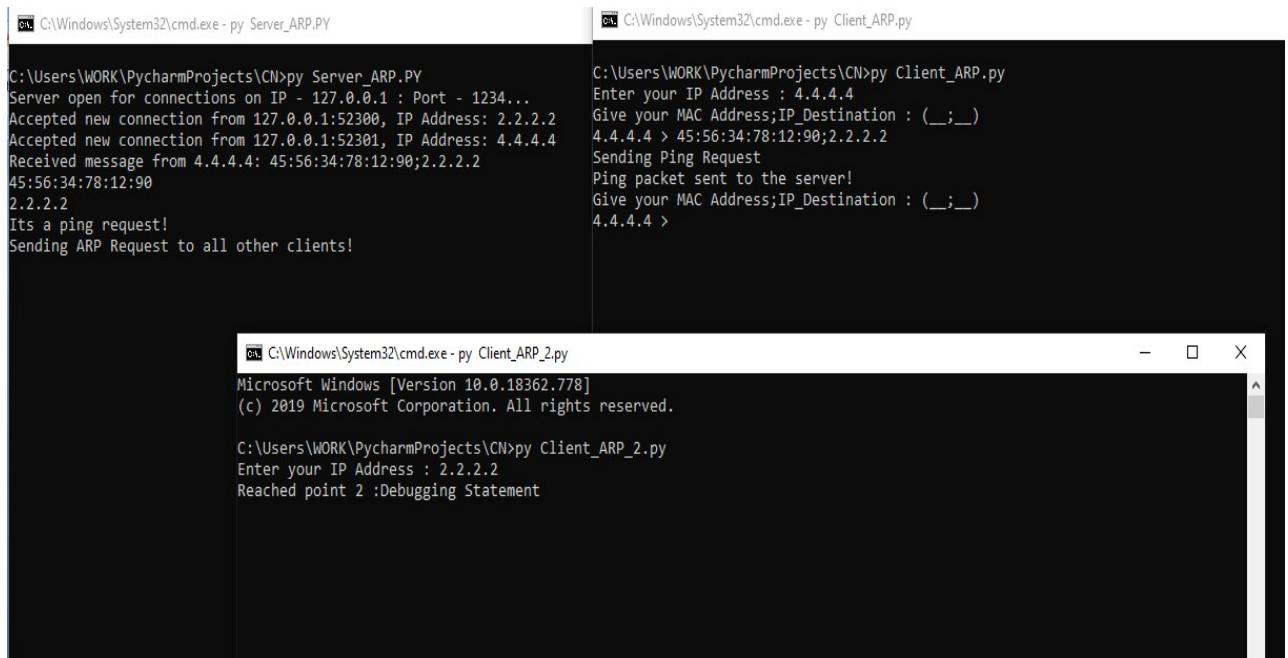
Readme file for the ARP Implementation

OS: Windows

Language: Python

Version: Python 3.8.1

- Run three different command prompts from the directory where the following files are there.
- Command follows:
 - py Server_ARP.py
 - py Client_ARP.py
 - py Client_ARP_2.py
- Input : Initially put the IP address of each client. Then in Client_ARP.py file : input MAC- Address and IP Address of packet receiver in the form for eg : (say) "34:67:56:45:67:45;2.2.2.2" split by ';' for ping request.
- Output : Please go through an attached PDF file for more regd. the output!



```
C:\Windows\System32\cmd.exe - py Server_ARP.PY
C:\Users\WORK\PycharmProjects\CN>py Server_ARP.PY
Server open for connections on IP - 127.0.0.1 : Port - 1234...
Accepted new connection from 127.0.0.1:52300, IP Address: 2.2.2.2
Accepted new connection from 127.0.0.1:52301, IP Address: 4.4.4.4
Received message from 4.4.4.4: 45:56:34:78:12:90;2.2.2.2
45:56:34:78:12:90
2.2.2.2
Its a ping request!
Sending ARP Request to all other clients!

C:\Windows\System32\cmd.exe - py Client_ARP.py
C:\Users\WORK\PycharmProjects\CN>py Client_ARP.py
Enter your IP Address : 4.4.4.4
Give your MAC Address;IP_Destination : (____)
4.4.4.4 > 45:56:34:78:12:90;2.2.2.2
Sending Ping Request
Ping packet sent to the server!
Give your MAC Address;IP_Destination : (____)
4.4.4.4 >

C:\Windows\System32\cmd.exe - py Client_ARP_2.py
Microsoft Windows [Version 10.0.18362.778]
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C:\Users\WORK\PycharmProjects\CN>py Client_ARP_2.py
Enter your IP Address : 2.2.2.2
Reached point 2 :Debugging Statement
```