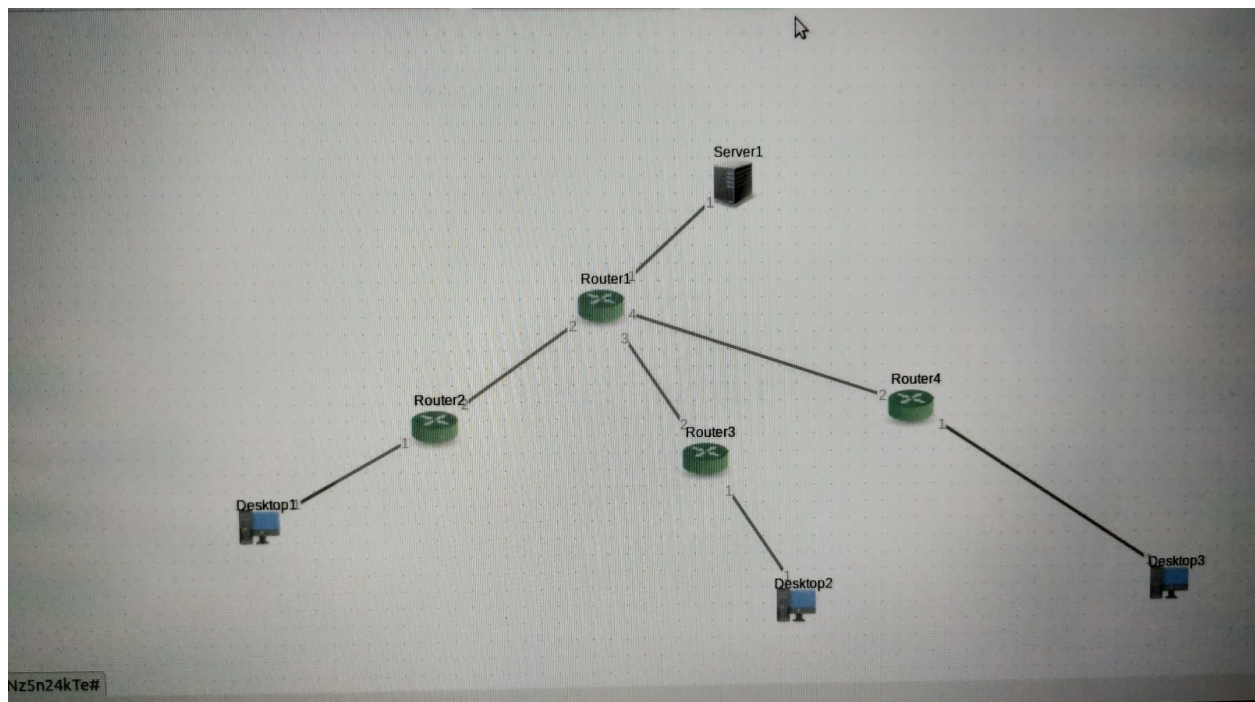# CN Project

Group chat using tkinter

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Description:

We built a server which handles several clients, using socket programming in python. The server creates multiple threads for each client and handles all the messages sent by them and sends to all of the users. We used threading module and tkinter for the UI which is displayed to the users. The connections rely on TCP and the messages are encoded and decoded using utf-8 format. The connections between clients and the server is based on star topology and routing table entries are made accordingly.

Topology:

List of modules used:

- tkinter
- socket
- Threading

Network concepts used:

- TCP Connection
- Socket programming
- Sending and receiving data with encoding

New concepts learnt:

- Multiple threading in python
- Socket programming in python
- Routing tables and topology in claynet
- Tkinter for UI

Sample Input and Output: