

CS425 - Assignment 5
Soham - 180771

Q1 – Dijkstra [For unix like systems]

Language Used: cpp

1. Run `g++ -std=c++17 q1_dijkstra.cpp`
2. Run `./a.out`

Q1 - Bellman Ford [For unix like systems]

Language Used: cpp

1. Run `g++ -std=c++17 q1_bellman.cpp`
2. Run `./a.out`

Q2 - Chat Application

Language Used: python

1. In a terminal, run `hostname -I`. This gives your local IP.
2. Run `python3 server.py <IP> <Port>`. This starts the server
3. In another terminal, run `python3 client.py <IP> <Port>`. This IP should be the host IP, and the port should match the host port.
4. To quit, just type `!quit` in the terminal.

```
soham@carrot:~/Desktop/CS425/Assignments/Assign5(master)$ python client.py 172.23.5.44 4000
Welcome to the chat room! Enter your name.
Soham
Welcome Soham! If you ever want to quit, type !quit to exit the room.
Soham1 has joined the chat.
Hi
Soham: Hi

Soham1: Hey there

!quit
soham@carrot:~/Desktop/CS425/Assignments/Assign5(master)$
```

```
soham@carrot:~/Desktop/CS425/Assignments/Assign5(master)$ python client.py 172.23.5.44 4000
Welcome to the chat room! Enter your name.
Soham1
Welcome Soham1! If you ever want to quit, type !quit to exit the room.
.
Soham: Hi

Hey there
Soham1: Hey there

Soham has left the chat.
!quit
soham@carrot:~/Desktop/CS425/Assignments/Assign5(master)$
```