

# **MALNAD COLLEGE OF ENGINEERING, HASSAN**

## **DEPARTMENT OF COMPUTER SCIENCE AND**

## **ENGINEERING**

## **PYTHON PROGRAMMING-CS652**

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# **Help-Chat**

### **Aim:**

To equip chat with reasonable article links for the student issues.

### **Description:**

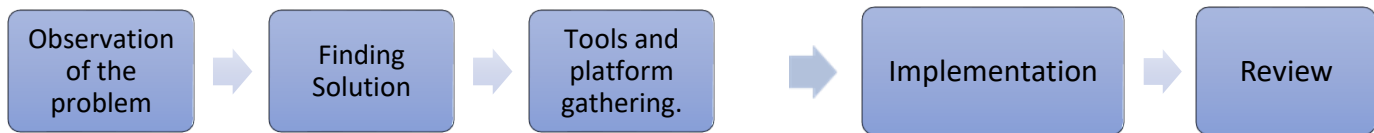
The students at college and youthful age have issues that doesn't transcend to older generations even if they are immediate folks parents and teachers/professors. The engineering education system doesn't address extracurricular and strong willed kids. They are devoid of freedom to pursue their 'practical learning' interests and suffer lack of like-minded peer groups. This is a basic chat app which provides online resources/articles based on the chats and thus enlighten students to deal with their problems.

This chat room provides client to client or many client conversation thus third person or host is not involved. It has a reservoir of keywords and associated online link in a csv file. As the keyword is involved in the chat, the clickable link pops up.

### **Tools and Platform Used:**

- Python
- VS code
- Libraries and Packages Required:
  1. GUI:Tkinter
  2. Socket and threading

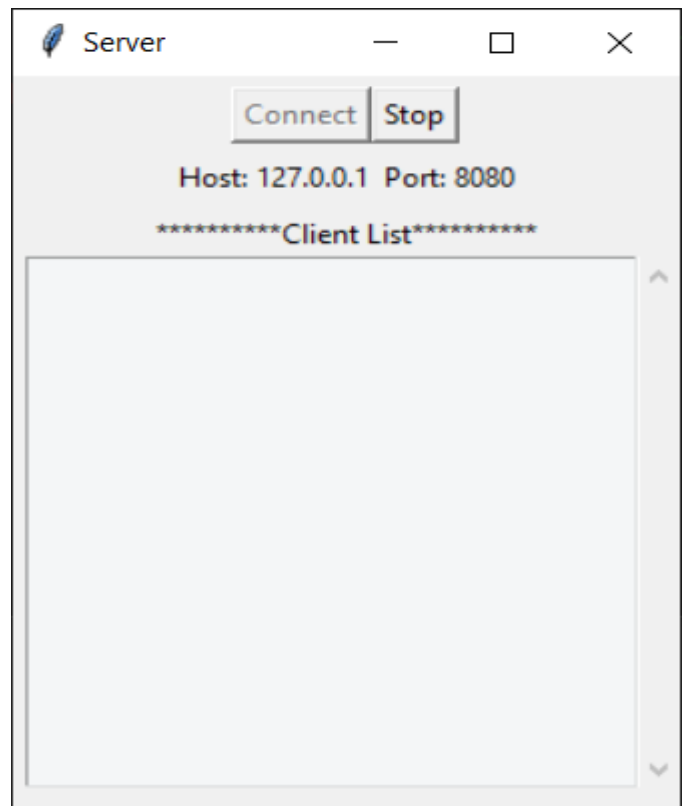
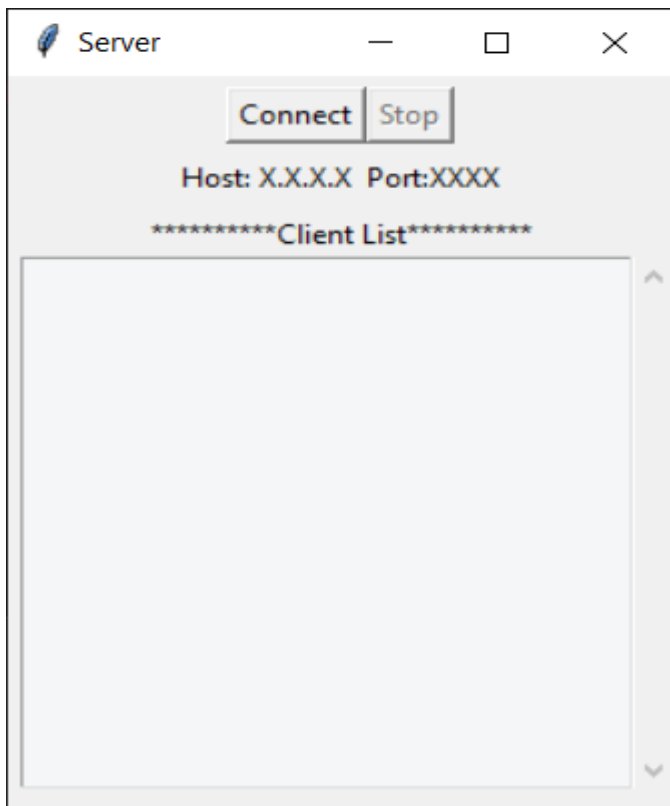
## Methodology:



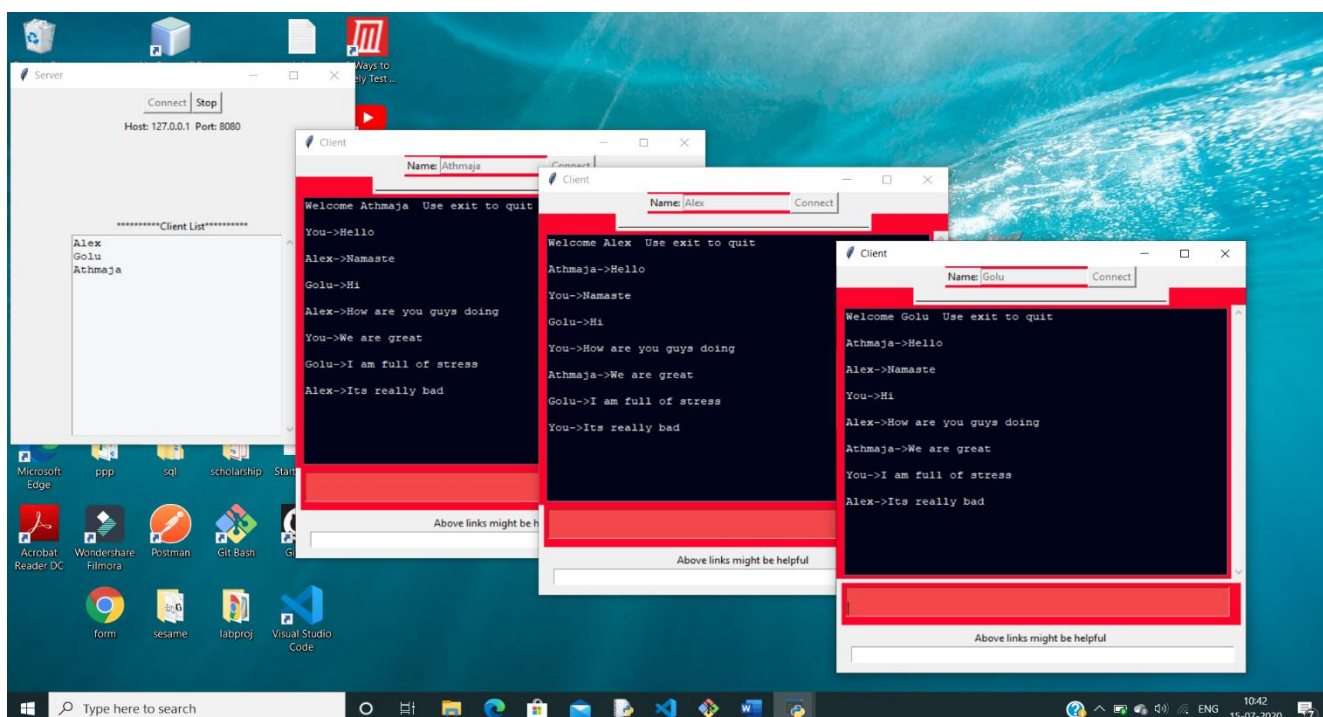
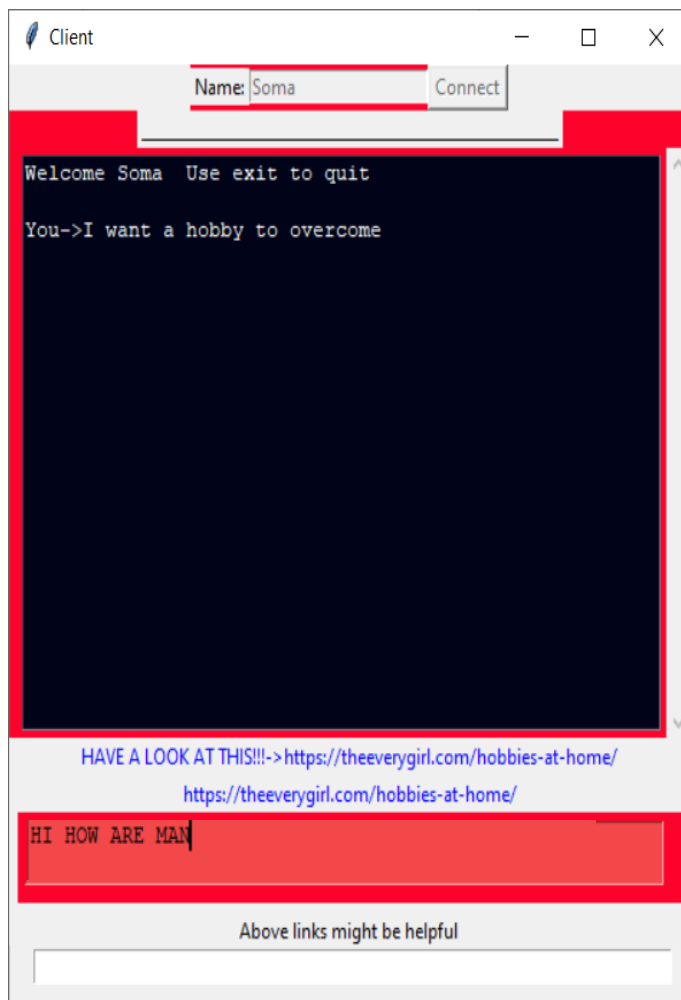
## Workflow:

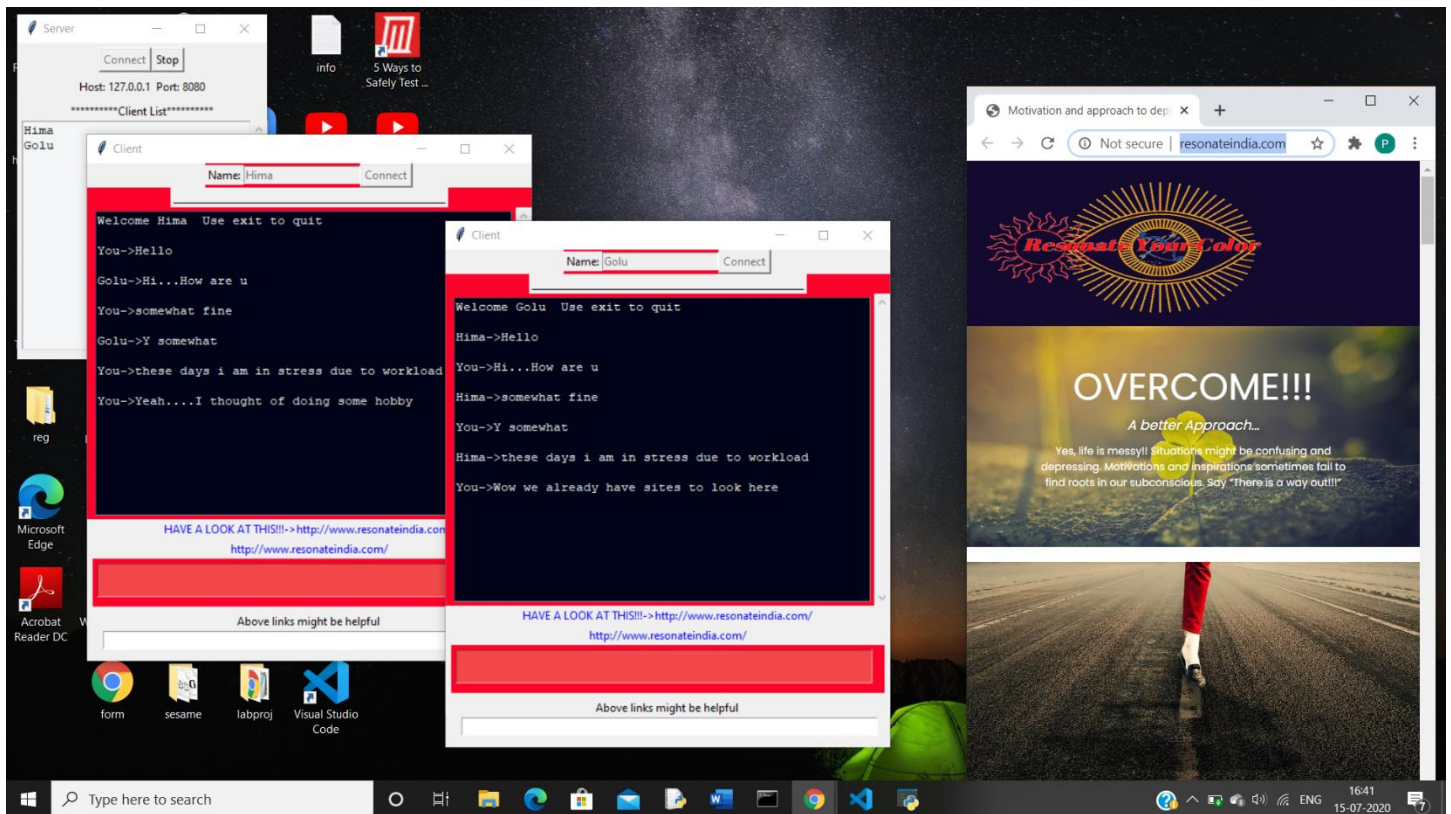
- Importing the required libraries, initialize sockets for admin and client python files.
- Define frames and associated function calls.
- Establish functionality to connect admin and client i.e, start\_server, accept clients, stop\_server at admin and connect, connect\_to\_server at client side.
- Define functionalities for mutual chats.
- Write csv file with key and associated link.
- Define functionality to extract the link based on keyword from the chat and send it to the client.
- Convert the link sent into hyperlink and display it at the chat.
- Enable exiting of the chat.

## Output Screenshots:



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**References: -**

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**Submitted to:**

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