

import socket
import threading
import datetime

```
class ChatClient:  
    def __init__(self, server_ip, server_port):  
        self.server_ip = server_ip  
        self.server_port = server_port  
        self.client_socket = None  
        self.username = ""
```

```
def connect_to_server(self):  
    self.client_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)  
    self.client_socket.connect((self.server_ip, self.server_port))
```

```
def send_message(self, message):  
    self.client_socket.send(message.encode())
```

```
def receive_message(self):  
    return self.client_socket.recv(1024).decode()
```

```
def save_chat_history(self, message):  
    with open("chat_history.txt", "a") as file:  
        timestamp = datetime.datetime.now().strftime("%Y-%m-%d %H:%M:%S")  
        file.write(f"
```

message

\n")

```
def start_chat(self):  
    self.username = input("Masukkan username Anda: ")  
    self.send_message(self.username)
```

```
threading.Thread(target=self.receive_messages).start()
```

```
menu_active = True  
while menu_active:  
    print("\nMenu Pilihan:")  
    print("1. Aplikasi chatting")  
    print("2. Melihat percakapan sebelumnya")  
    print("3. Hapus history")  
    choice = input("Pilih menu: ")
```

```
choice == "1":  
    while True:  
        if self.username:  
            message_prompt = "pesan anda: "  
        else:  
            message_prompt = ""  
        message = input(message_prompt)  
        if message == ":q":  
            break  
        self.send_message(message)  
        self.save_chat_history(f"
```

True

False

message

)

```
confirm = input("Kembali ke menu? (y/n): ")  
if confirm.lower() != "y":  
    menu_active = False
```

```
elif choice == "2":  
    self.show_chat_history()  
elif choice == "3":  
    self.clear_chat_history()  
else:  
    print("Menu tidak valid. Silakan pilih menu yang sesuai.")
```

```
confirm = input("Apakah ingin kembali ke menu? (y/n): ")  
if confirm.lower() != "y":  
    menu_active = False
```

```
def receive_messages(self):  
    while True:  
        message = self.receive_message()  
        if message:  
            if self.username:  
                sender_username, received_message = message.split(":", 1)  
                sender_username = sender_username.strip()  
                if sender_username == self.username:  
                    print(f"pesan anda:
```

received_message.strip()

)

else:

print(f"

received_message.strip()

)

else:

print(f"pesan anda:

message.strip()

)

```
def show_chat_history(self):  
    with open("chat_history.txt", "r") as file:  
        print("\nPercakapan Sebelumnya:")  
        print(file.read())
```

```
def clear_chat_history(self):  
    with open("chat_history.txt", "w") as file:  
        file.write("")  
        print("\nHistory chat telah dihapus.")
```

```
client = ChatClient("192.168.175.131", 8765)  
client.connect_to_server()  
client.start_chat()
```