Girls' Programming Network

Secret Diary Chatbot

Part 2: Chatbots over networks

FOR TUTOR EYES ONLY

Final SERVER code

```
import socket

server_ip = '127.0.0.1'
server_port = 8120

def send(connection, message):
    connection.send(message.encode("ascii"))

def receive(connection):
    maximum_message = 4096
    data = connection.recv(maximum_message)
    message = data.decode('ascii')
    return message

def question(connection, message):
    send(connection, message)
    message = recieve(connection)
    return message

sock = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
sock.setsockopt(socket.SOL_SOCKET, socket.SO_REUSEADDR, 1)
sock.bind((server_ip, server_port))
print("[-] Socket Created")

sock.listen(1)
print("Waiting for connection....")

connection = sock.accept()[0]
print(connection)
print("Connection established")

send(connection, "welcome to the chatbot")
print("Welcoming user")

name = question(connection, "what is your name?")
print(name)

print("User ID: " + name)
if name == "Renee":
    print("Distributing secrets")
    send(connection, "This is the secret info")
else:
    print("Secrets maintained")
    send(connection, "No info for you")
```

Final USER code

```
import socket

server_ip = '127.0.0.1'
server_port = 8120

def send(connection, message):
    byte_message = message.encode("ascii")
    connection.send(byte_message)


def receive(connection):
    maximum_message = 4096
    data = connection.recv(maximum_message)
    message = data.decode('ascii')
    return message


user_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
user_socket.connect((server_ip, server_port))

while True:
    data = recieve(user_socket)
    # if data:
    print(data)
    if data and data[-1] == "?":
        answer = input("Answer: ")
        send(user_socket, answer)
```