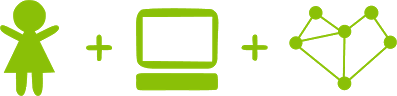
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**Girls’ Programming Network**

# ***Secret Diary Chatbot***

| ***Part 2: Chatbots over networks*** |
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**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) |

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