物聯網實務 HW6

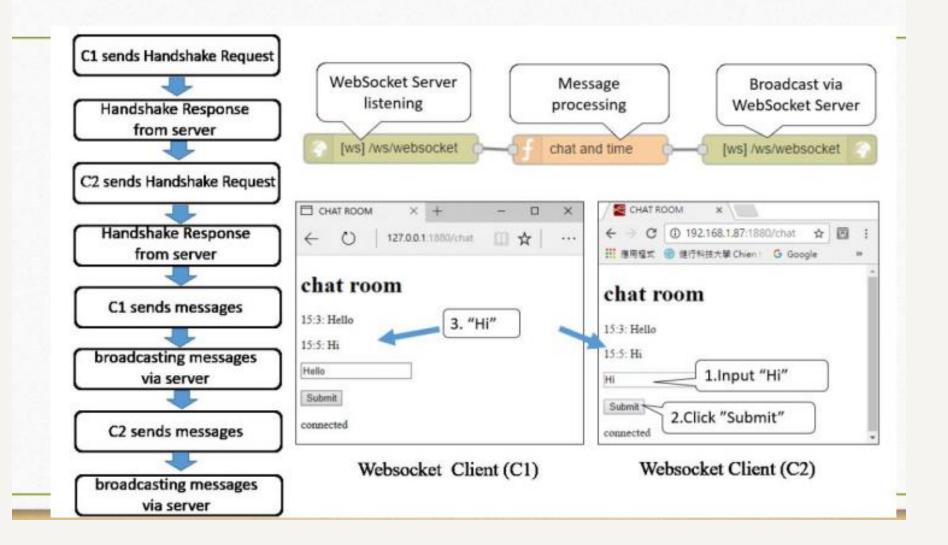
電機碩一 11278008 林佳慧

日期:2023/10/18

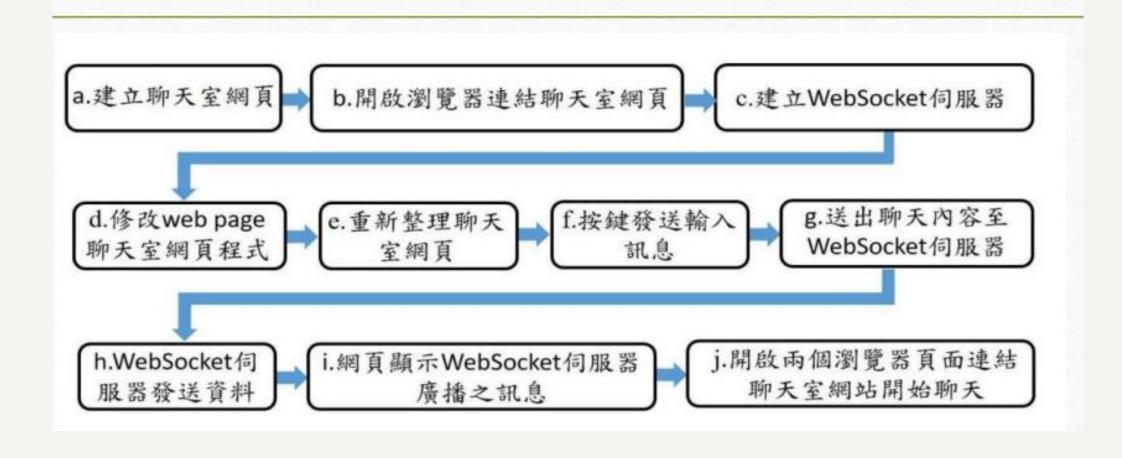
Exercise 6-1

Design a chat room

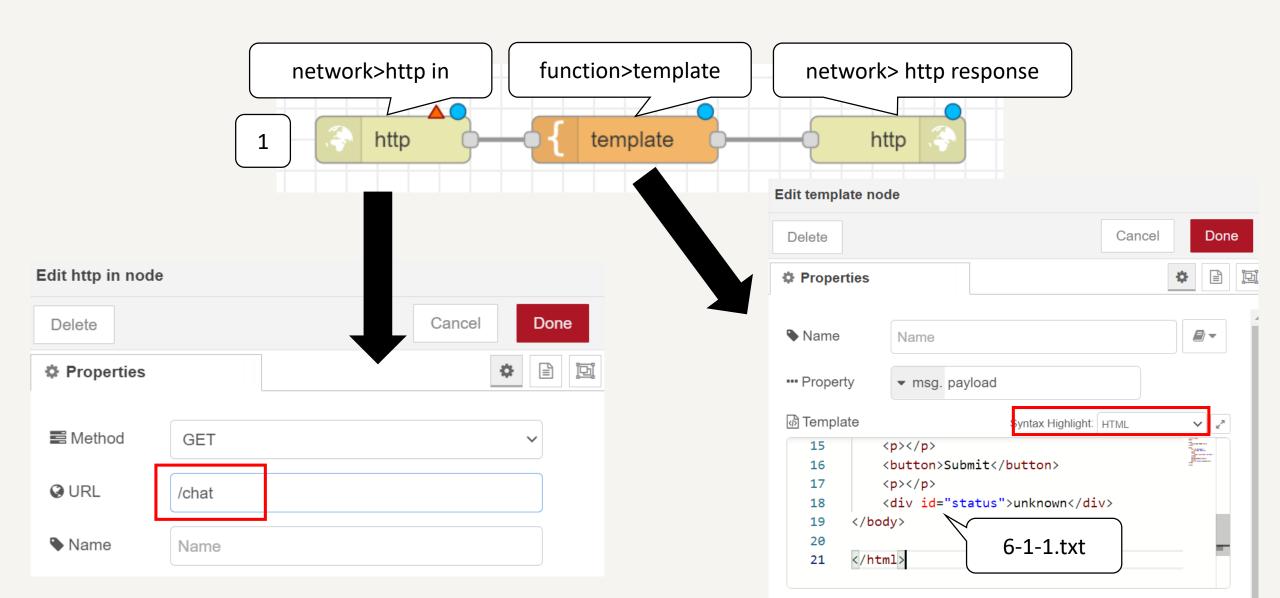
Design a chat room



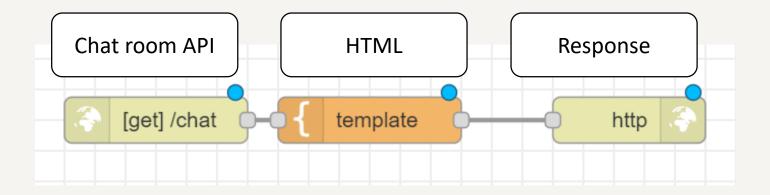
Processes



Step1: Create chat room HTML



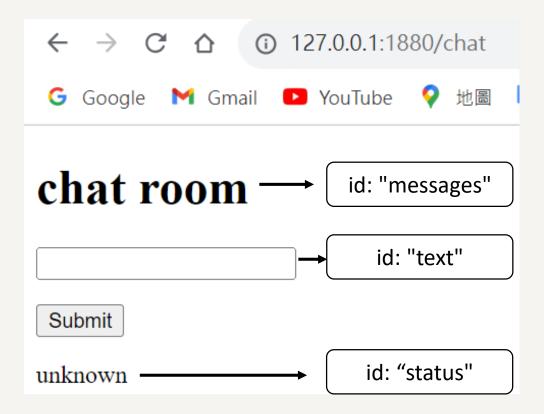
Chat Room API Flow



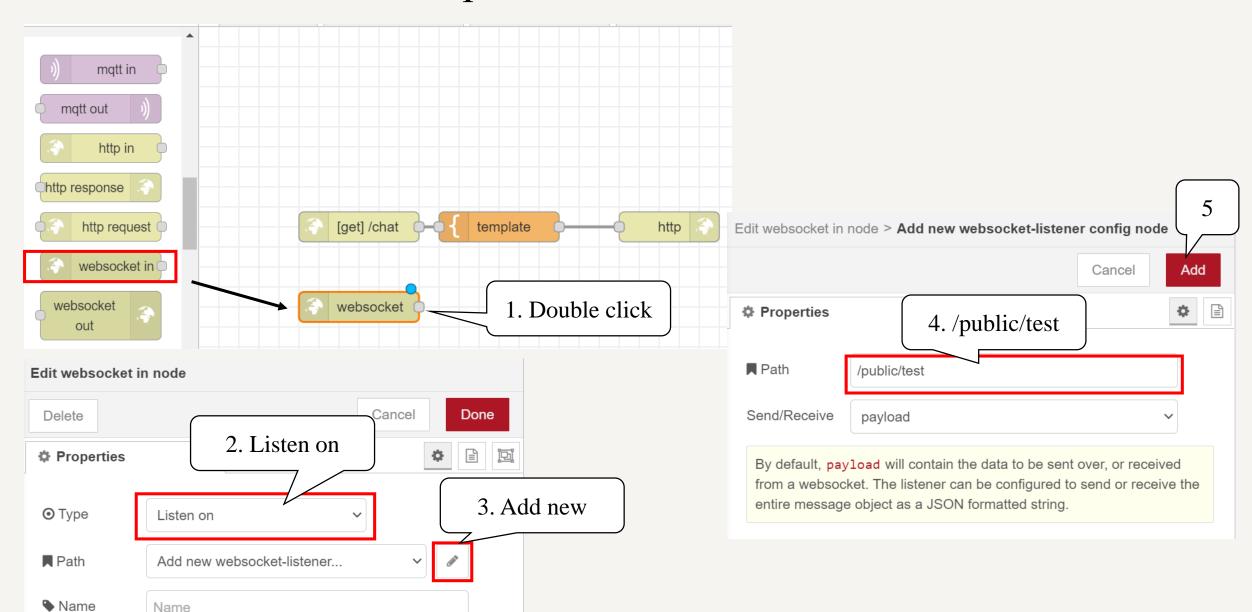
Step2:open the chat room webpage

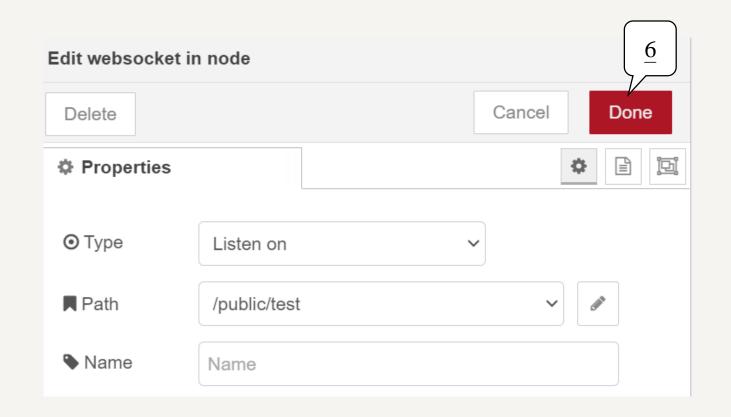


```
<!DOCTYPE HTML>
<html>
 <head>
 <title>CHAT ROOM</title>
 </head>
 <body>
  <div id="messages"> <h1>chat room</h1> </div>
  <form>
   <input type="text" id="text" >
  </form>
  <but><button>Submit</button></br>
  <div id="status">unknown</div>
  </body>
</html>
```



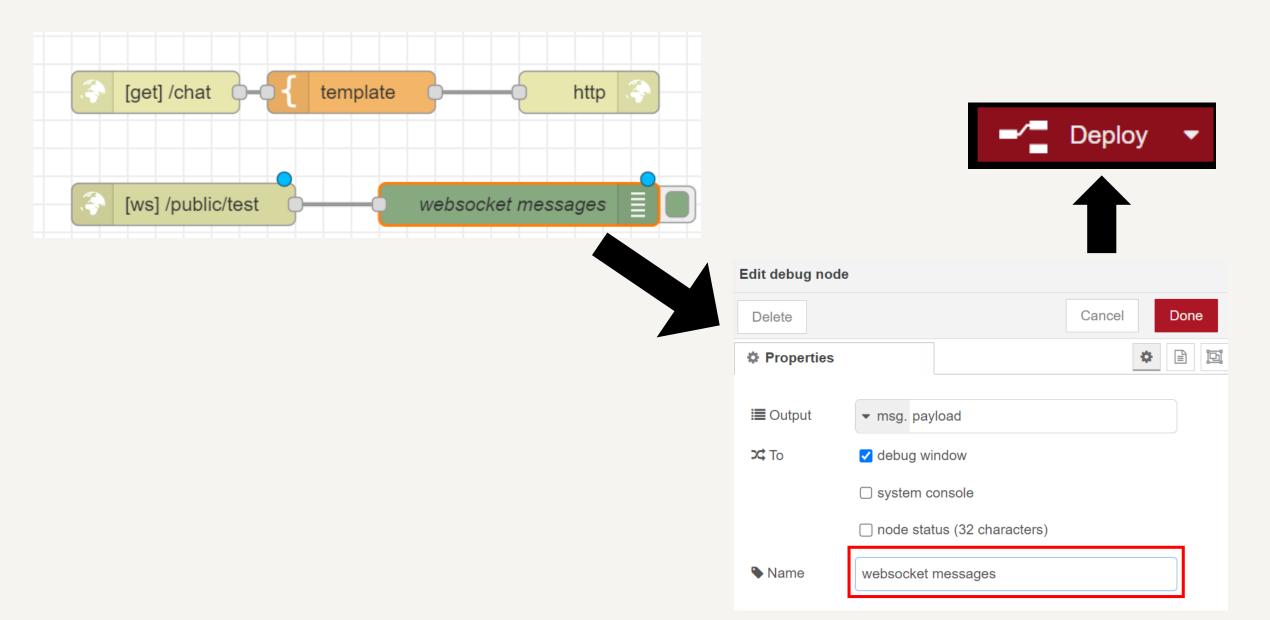
Step3: Add "websocket in"



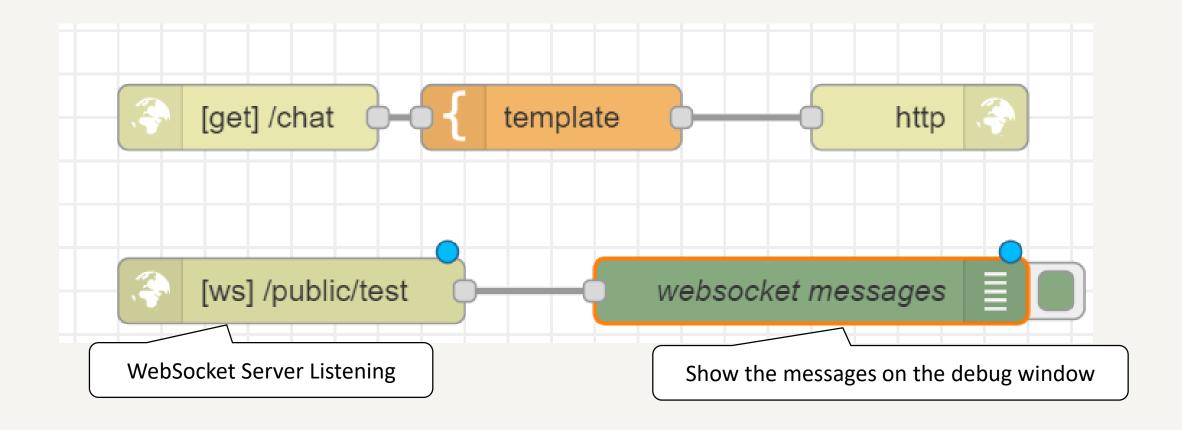




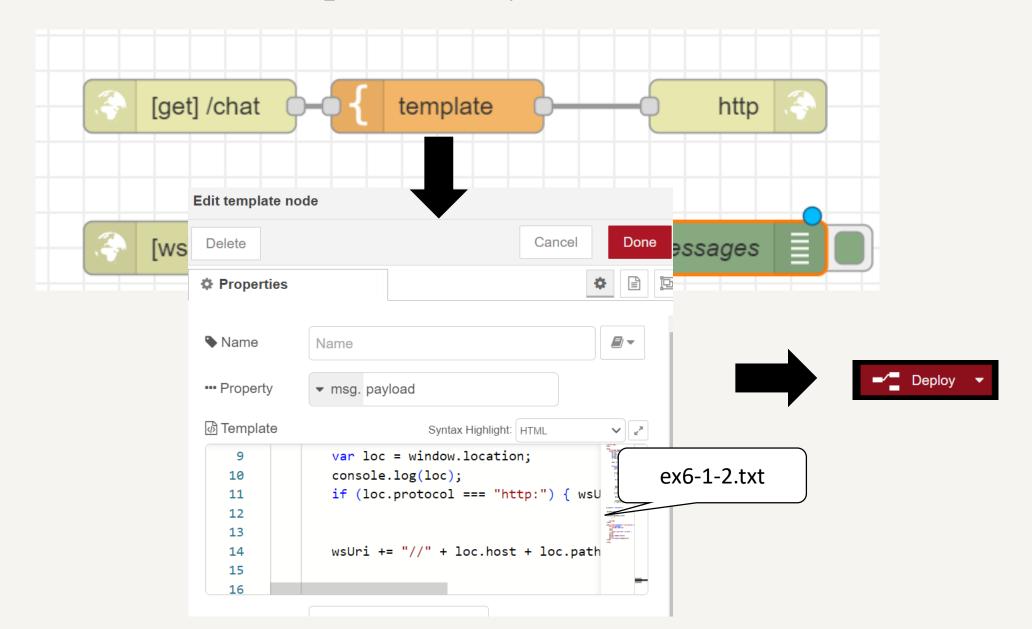
Step 4: Add a debug node



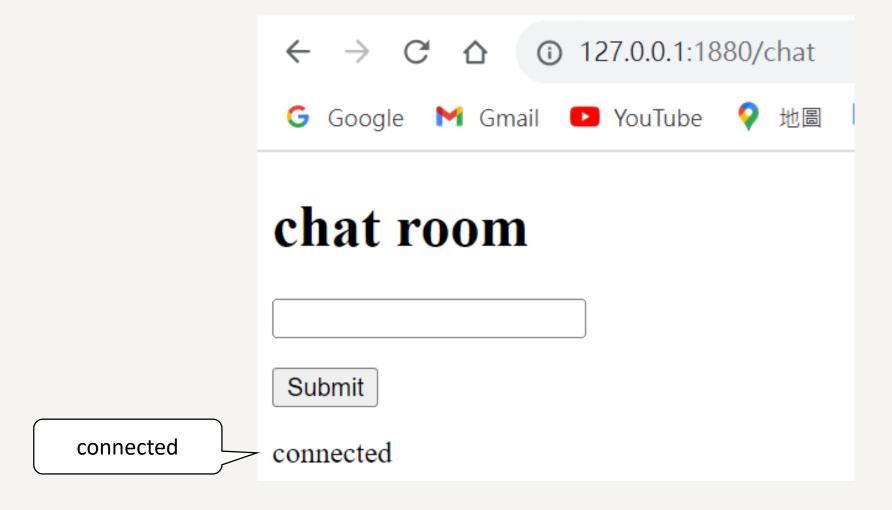
WebSocket Flow



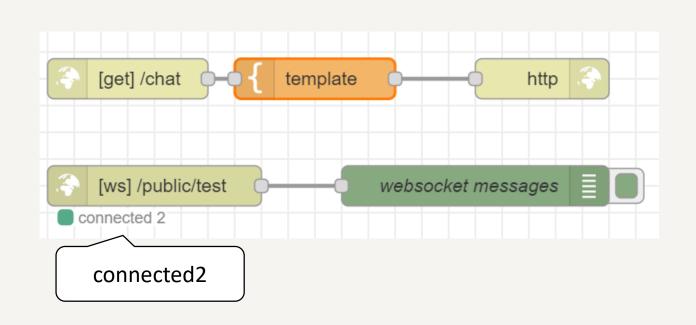
Step 5: Modify HTML

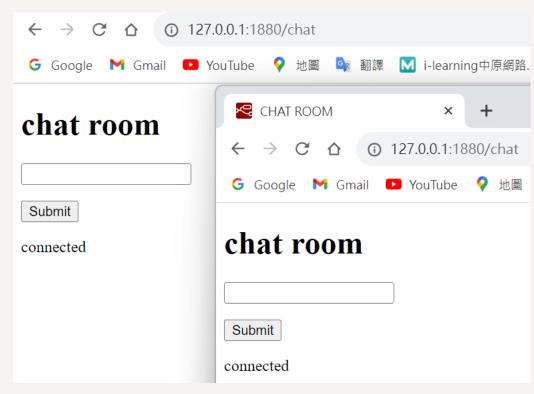


Step 6: Refresh the chat room web page

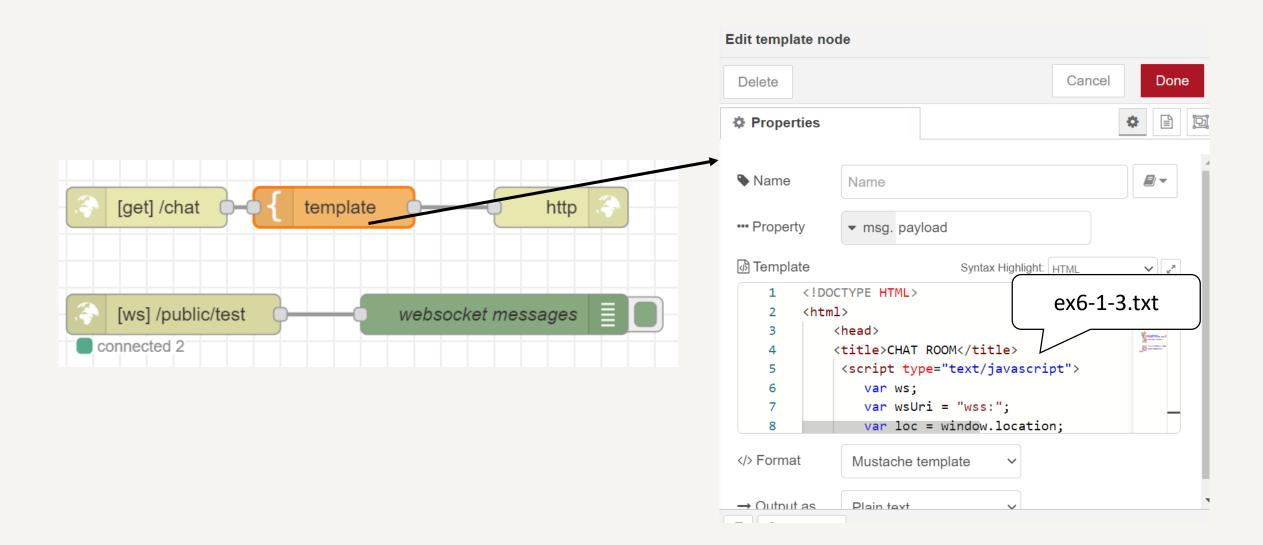


Step 7: Open the chat room web page in new window

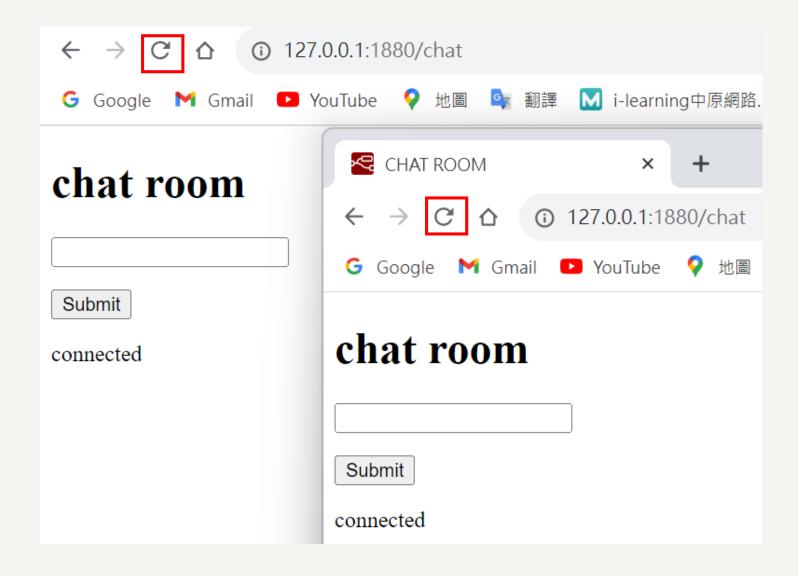




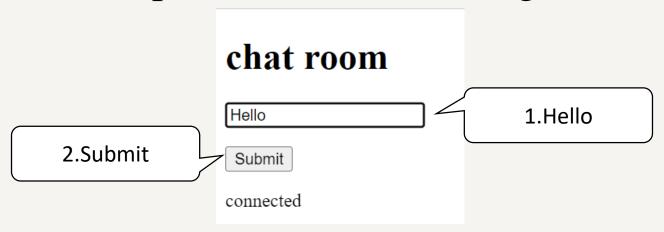
Step 8: Modify HTML



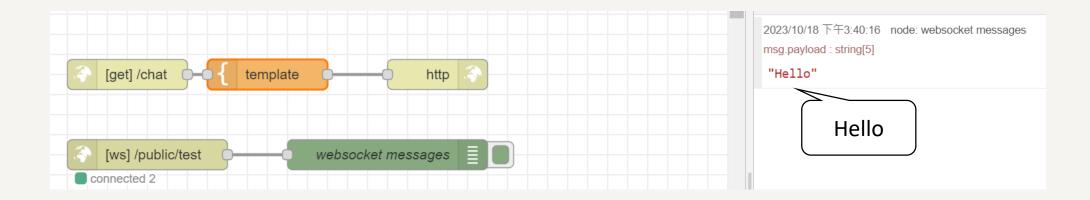
Step 9: Refresh chat room web pages



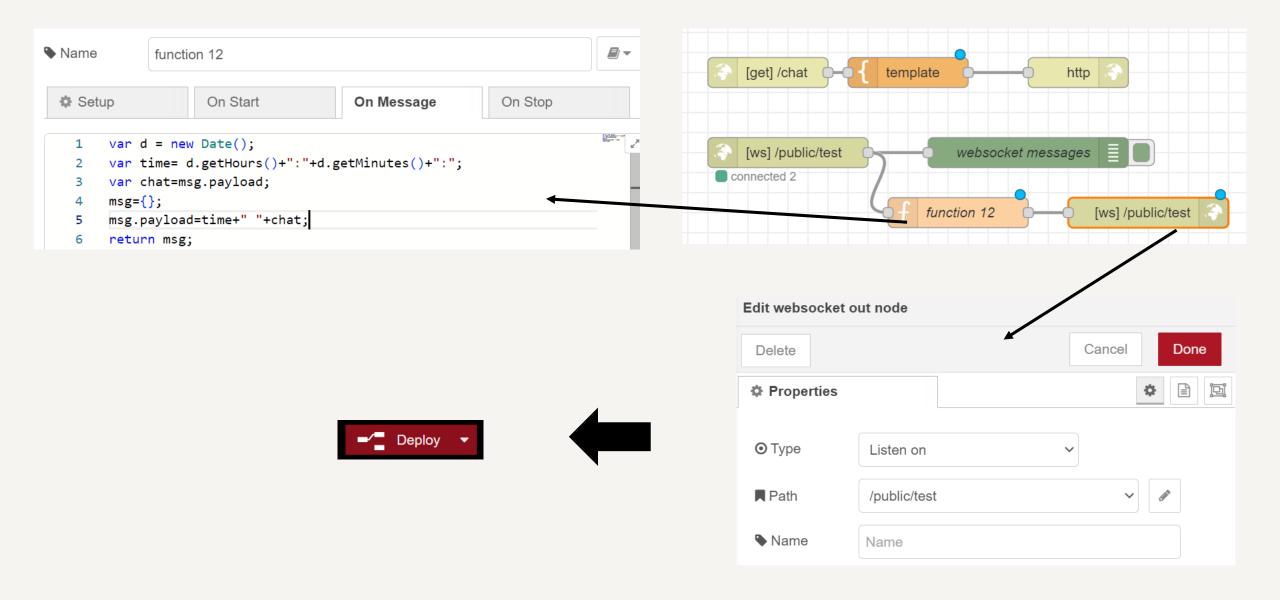
Step 10: Submit a message



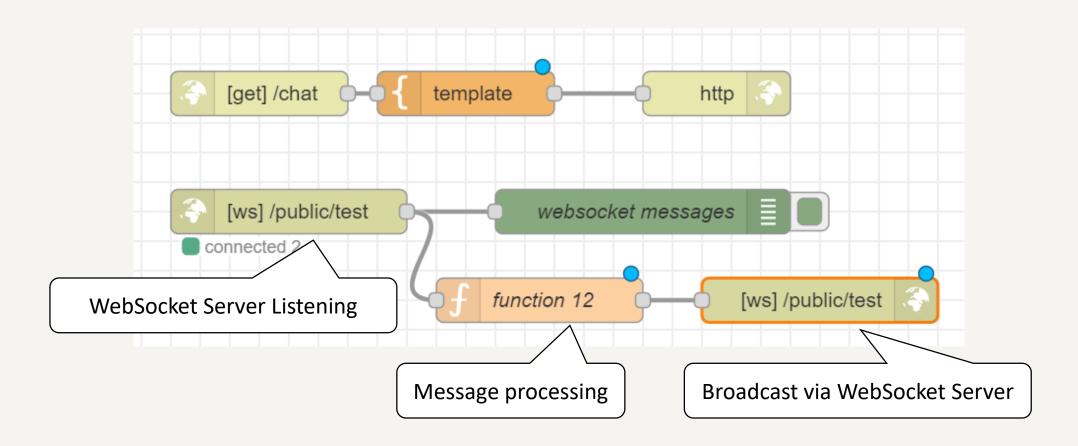
Step 11: Check the debug window



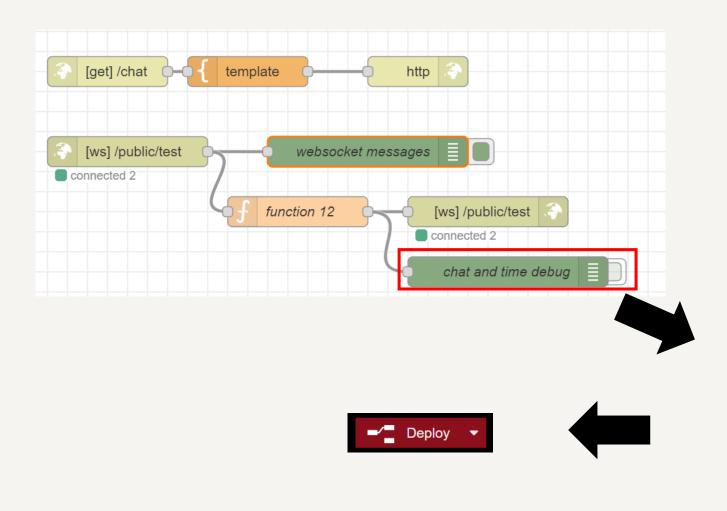
Step 12: Add a "function" node and a "websocket out" node

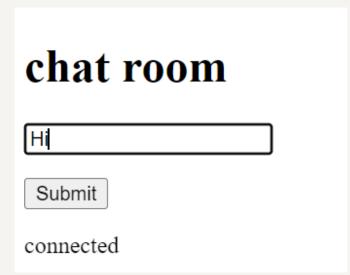


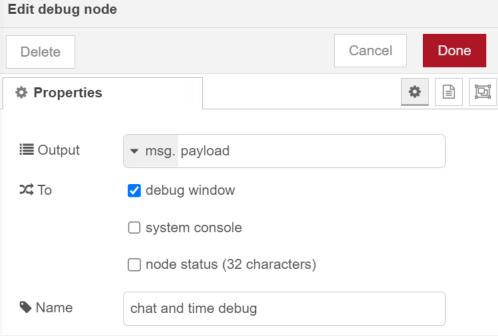
Flow

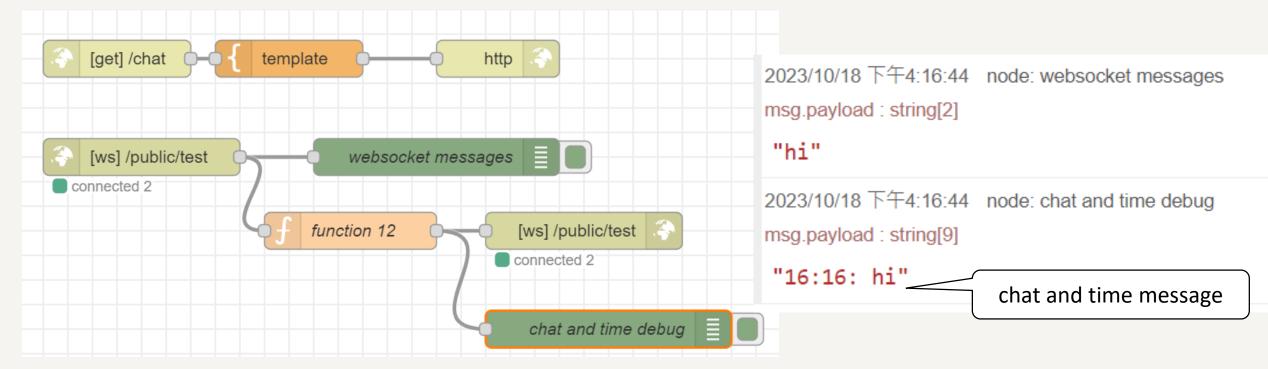


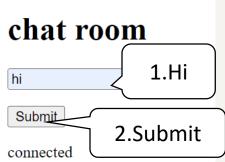
Step 13: Add a debug node



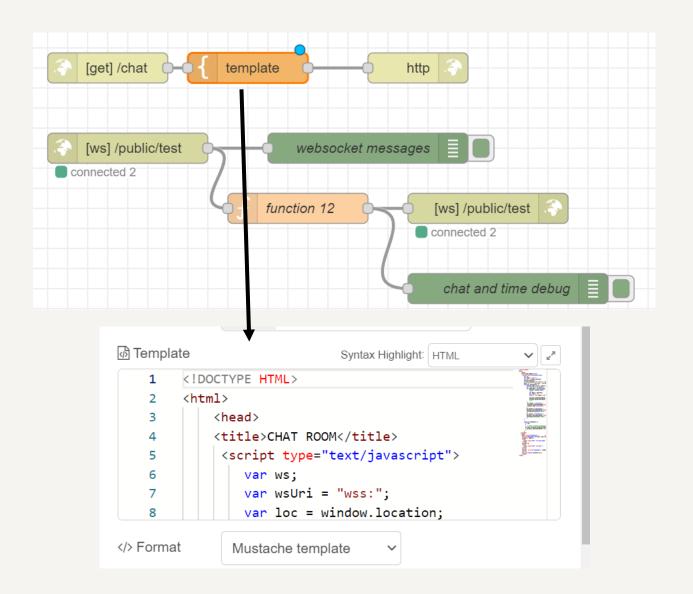


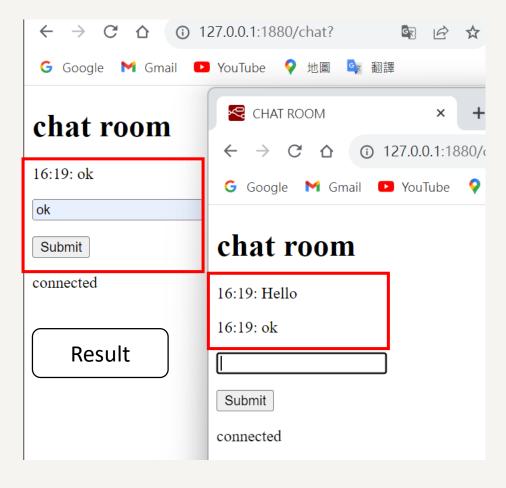






Step 15: Modify HTML



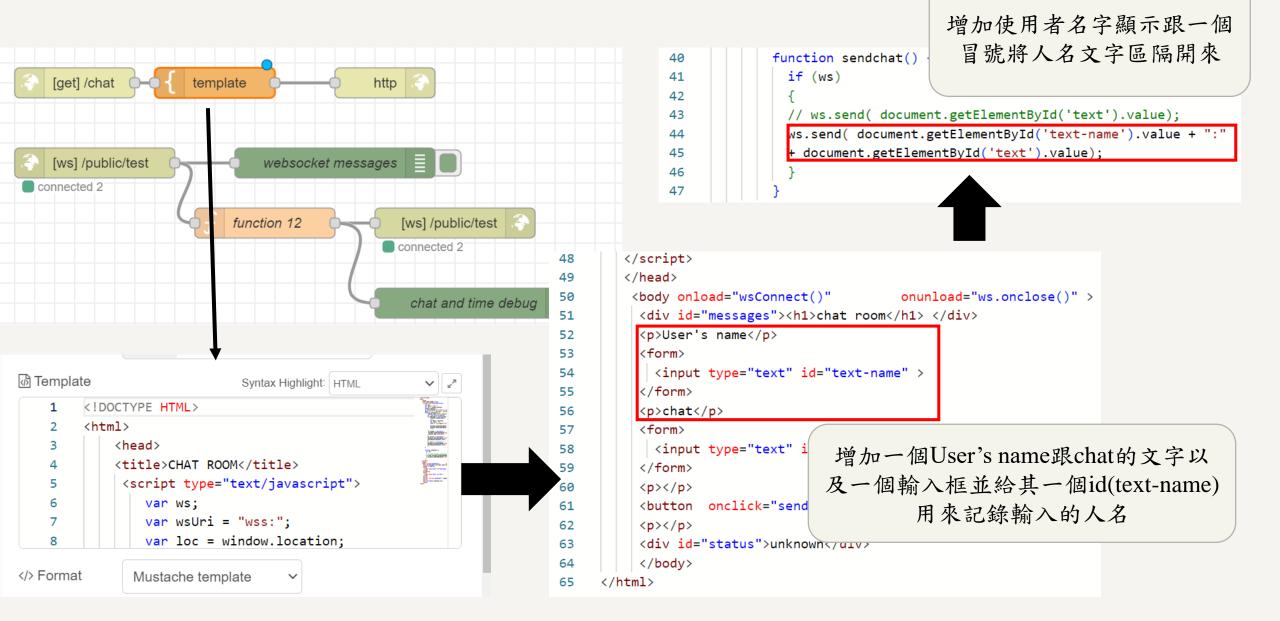


Homework 6-1

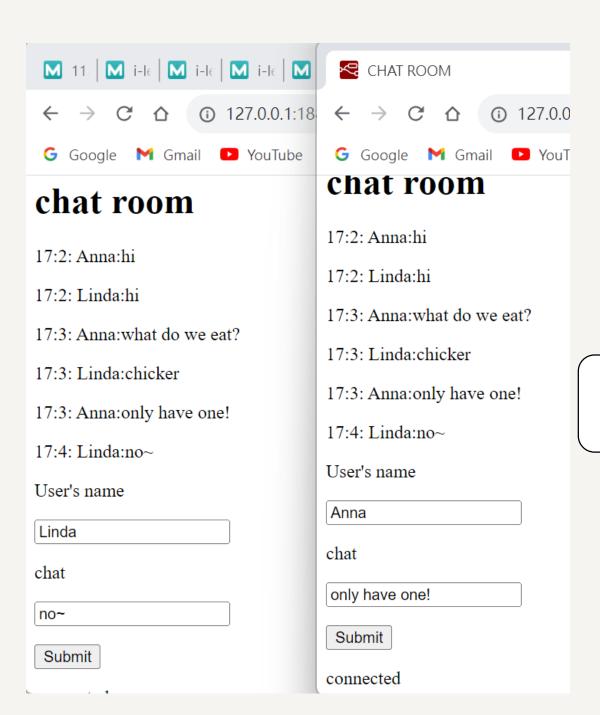
• 請加上一個可以輸入用戶端代號的文字表單,讓聊天室網頁呈現進行聊天者的代號、聊天內容與聊天時間,如下圖所示。 Please add another input for user's name. When you receive or send a message, show the time, the user's name and the chat messag

chat room	chat room
18:27: Mary:Hello 18:28: Tom:Hi	18:27: Mary:Hello
User's name	18:28: Tom:Hi User's name
chat	Chat
Hello	Hi
connected	connected

修改程式碼



Result



Linda and Anna chat records