**ASSIGNMENT-4**

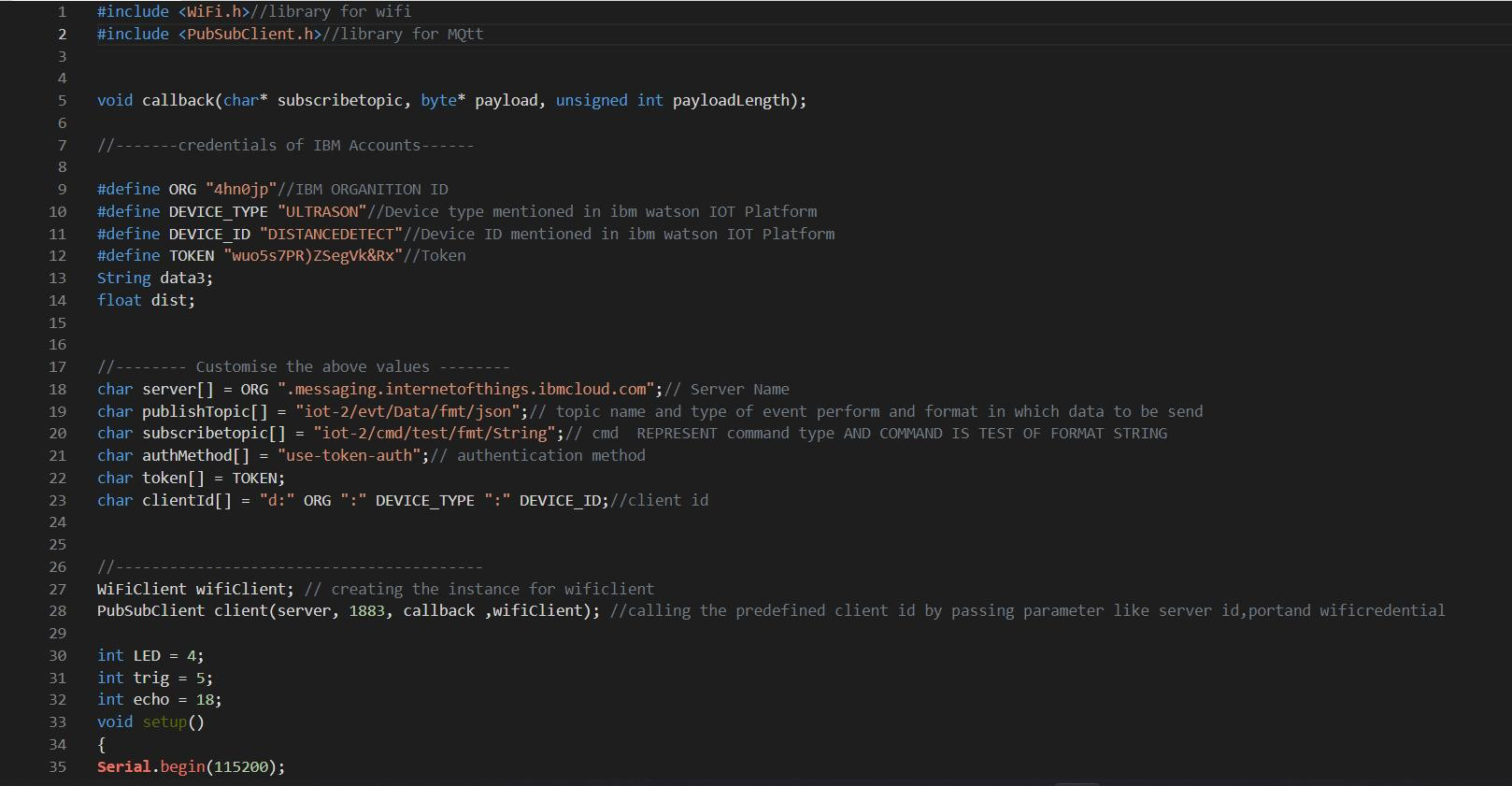
**DISTANCE DETECTION USING ULTRASONIC SENSOR**

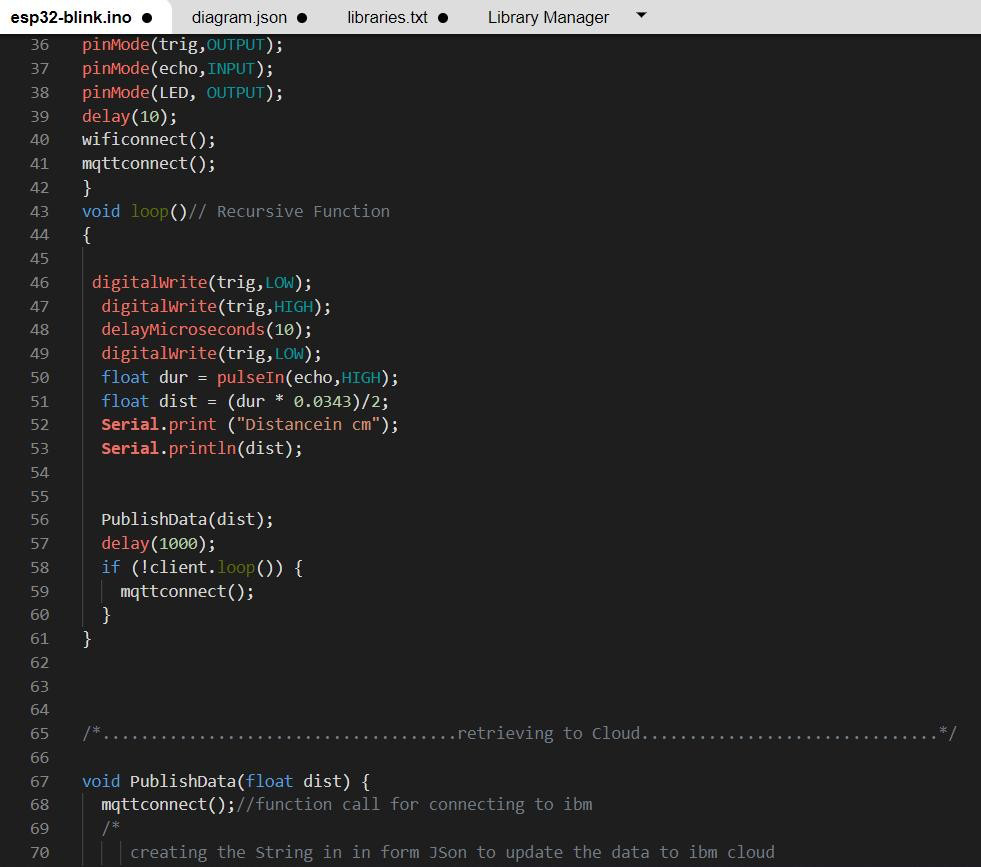
| **Date** | 24 October 2022 |
| --- | --- |
| **Team ID** | PNT2022TMID24197 |
| **Name & Register Number** | 1. Bhavana   111419106002 |
| **Mark** | 2Marks |

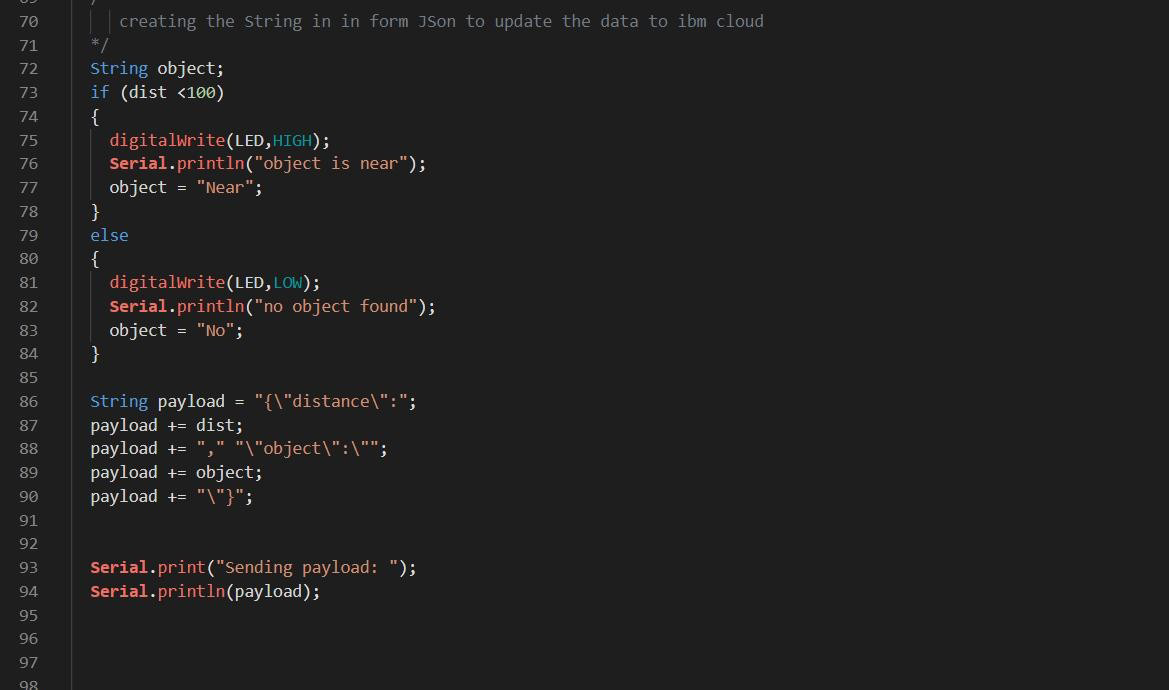
# Question1 :

Write code and connections in wokwi for ultrasonic sensor. Whenever distance is less than 100 cms send "alert" to IBM cloud and display in device recent events

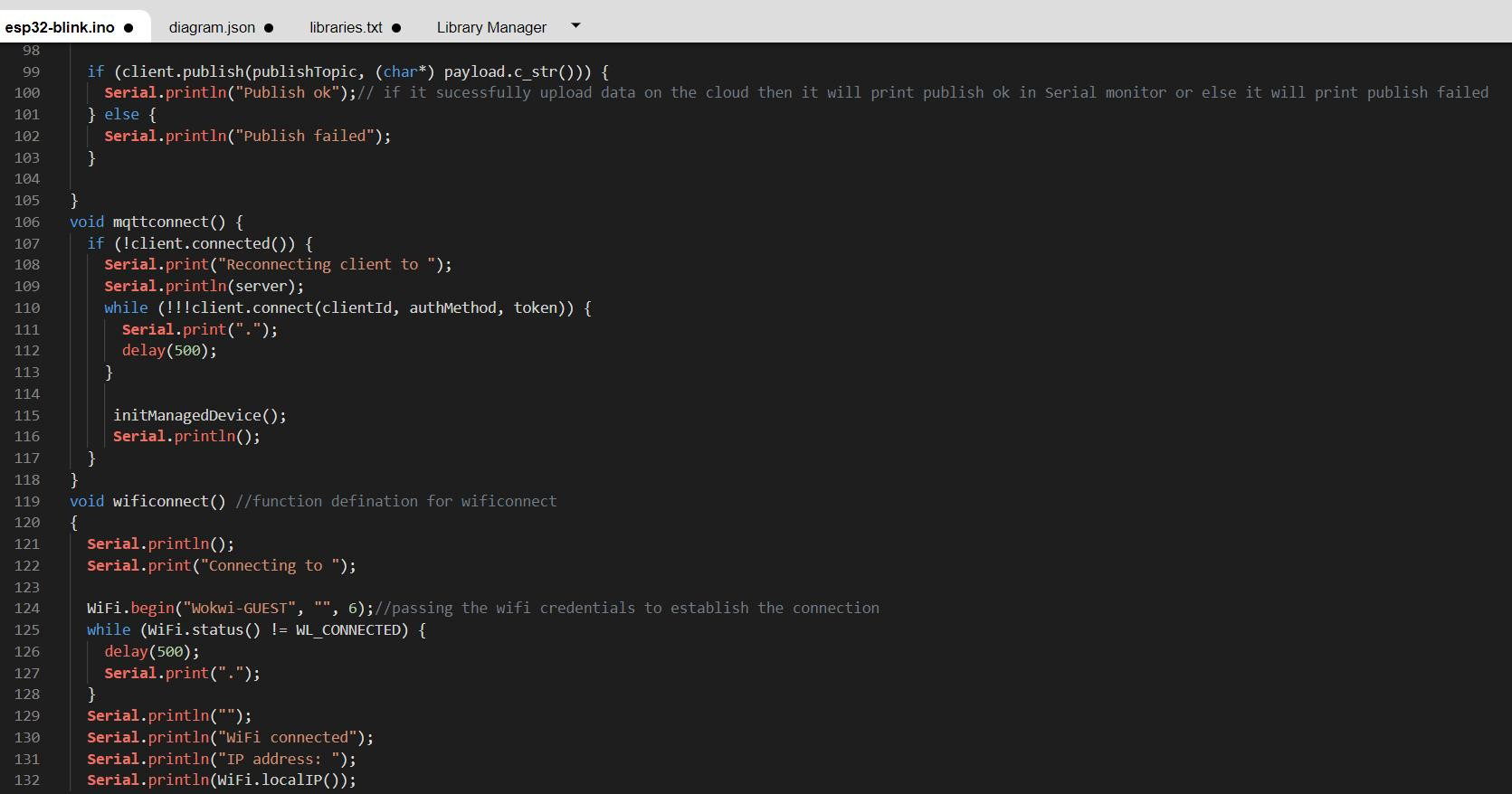
# CODE:

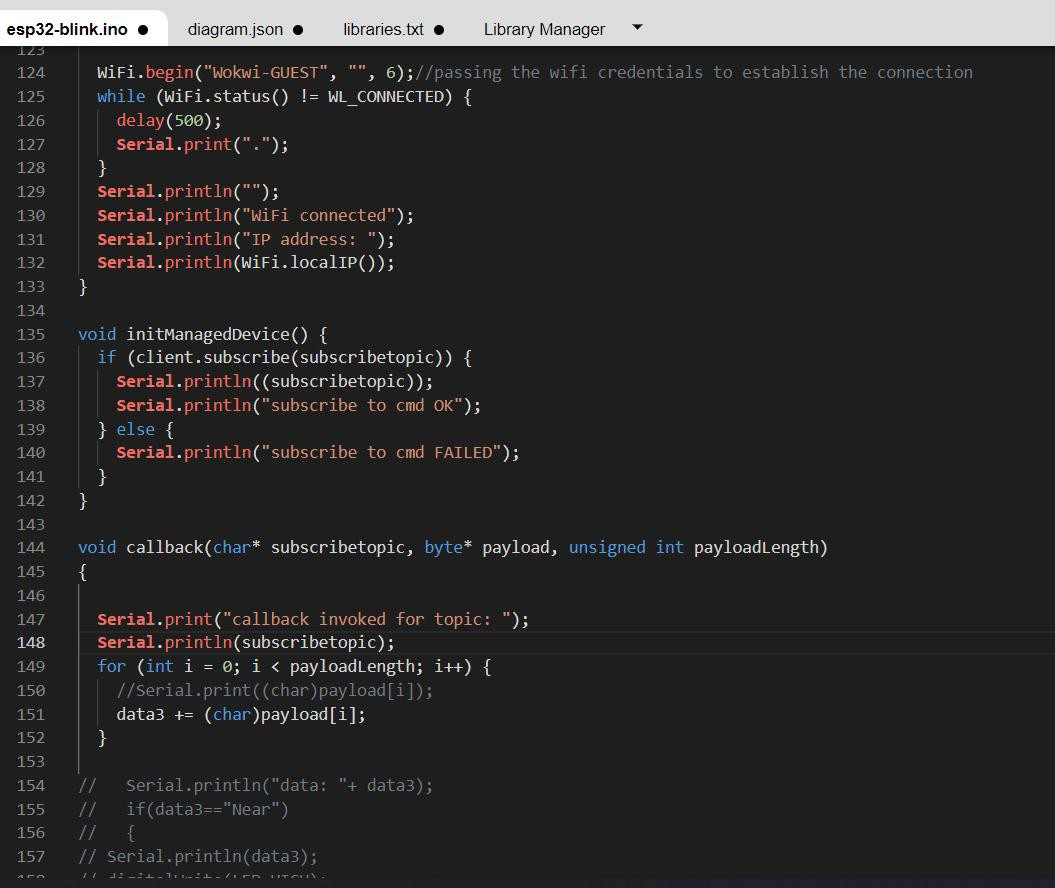


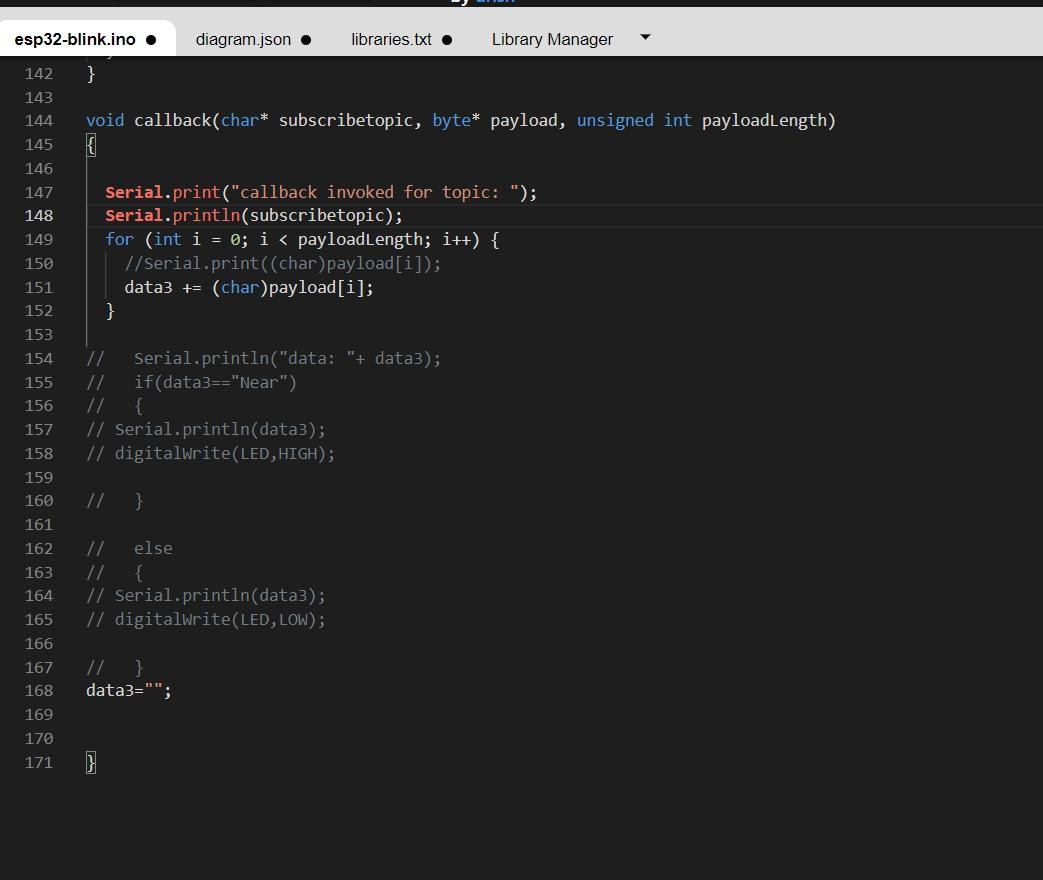




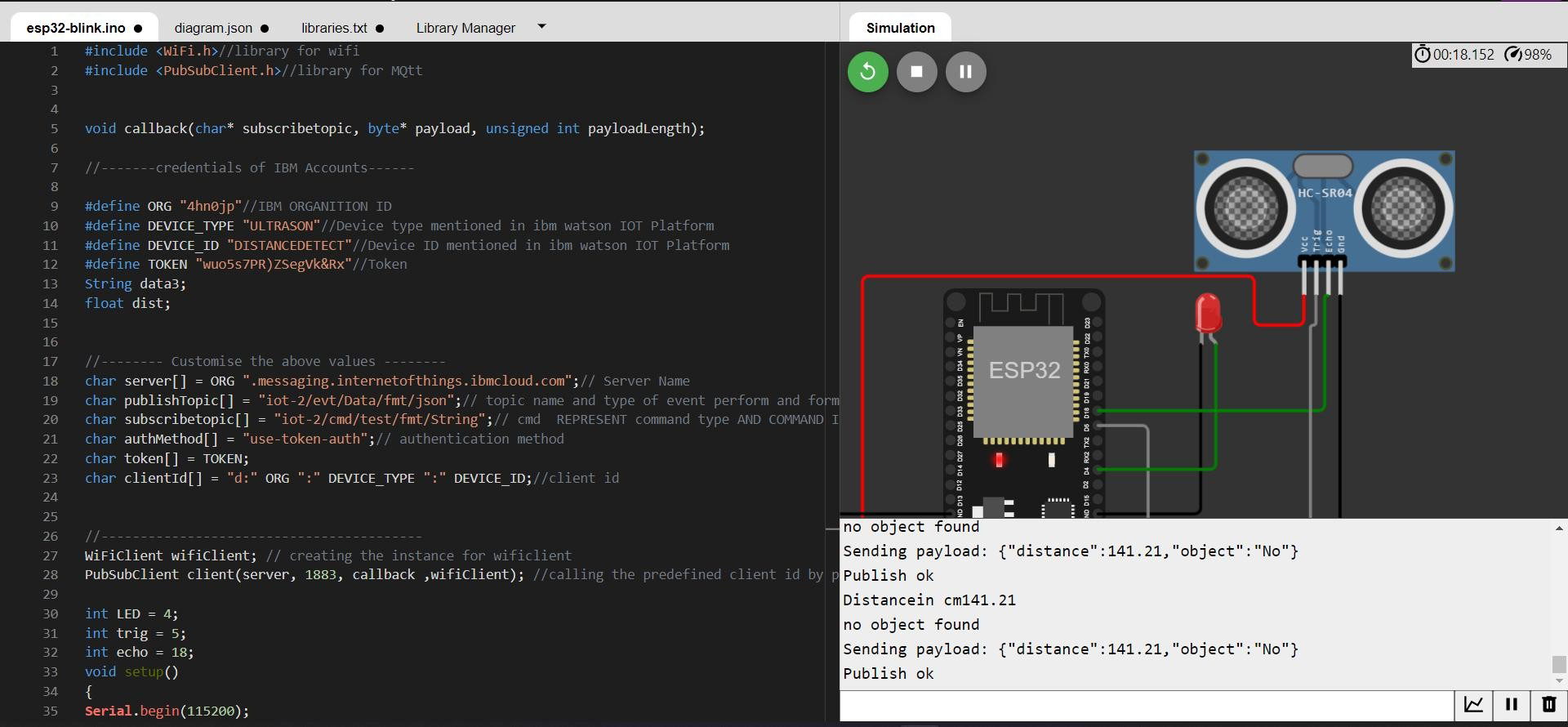
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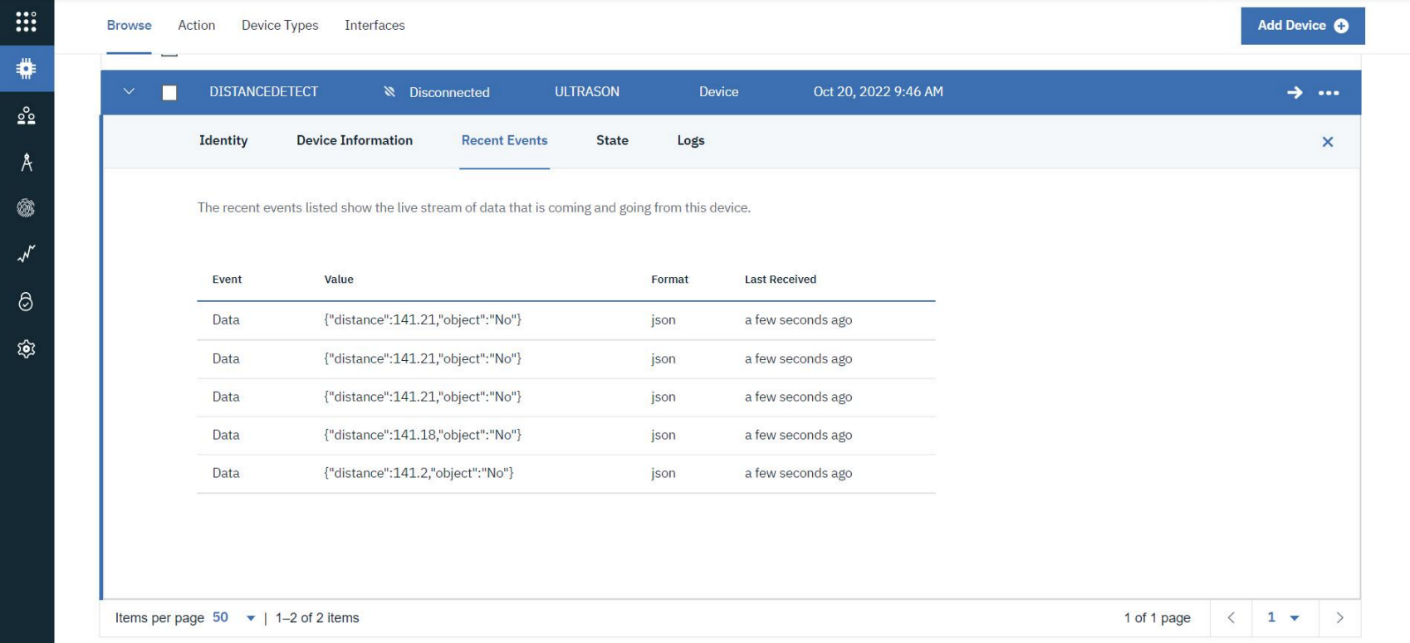




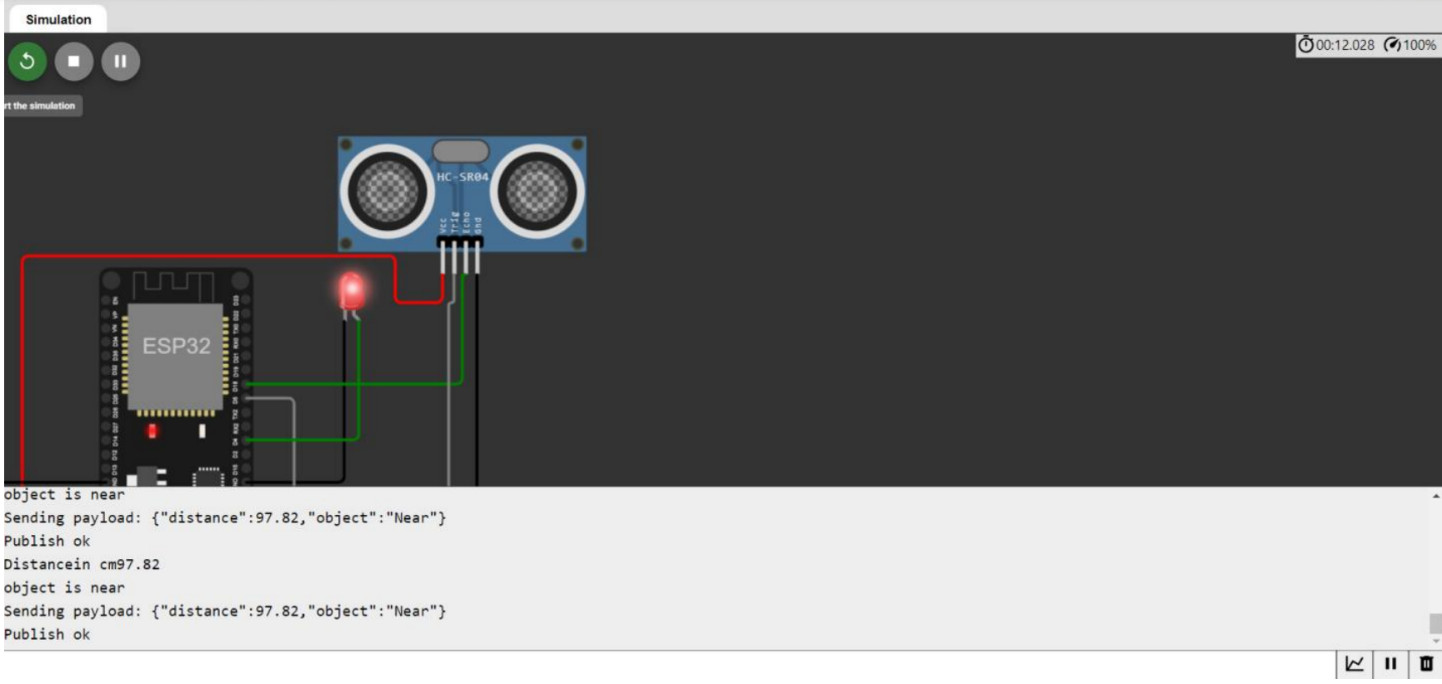
# OUTPUT:



**Data send to the IBM cloud device when the object is far**



# When object is near to the ultrasonic sensor



**Data sent to the IBM Cloud Device when the object is near**

