ASSIGNMENT-4

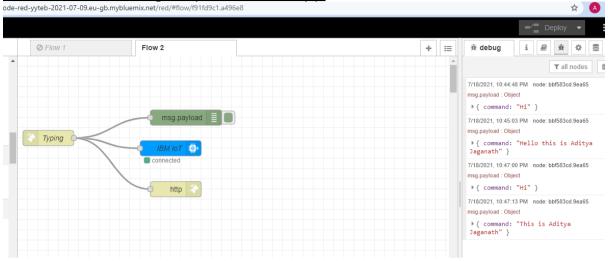
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Q) Develop a mobile application that takes the user input and sends it to IoT device (python code). Print the received data in python shell. Keep a text box to accept the user input. Integrate a submit button. Whenever user enters the text input in text box and clicks the button the data should be sent to IBM cloud using URL (HTTP API).

Layout for App in MIT: My Projects View Trash Guide Report an Issue English - aditya jaganath 2018@vitstudent.ac.in -Assignment_4_18BLC1057 Screen1 - Add Screen ... Remove Screen Publish to Gallery Properties □Display hidden components in View
Phone size (505,320) ✓ ⊖ ☐ Screen1 Screen1 Hear Interface Layout Media Default **হ্লি** 9:48 Drawing and Animation Maps Welcome To My App BackgroundColor
Default OK Note: this barcode is only valid for 2 hours. See the FAO for info on how to share your app with others. Rename Delete LEGO® MINDSTORMS® My Projects Projects - Connect - Build - Settings -Remove Screen Publish to Gallery Assignment_4_18BLC1057 Screen1 • Add Screen ... Blocks Viewer ■ Built-in Button1 - .Click Control https://node-red-yyteb-2021-07-09.eu-gb.mybluemi... set Web1 . Url . to ioin 🏚 Logic TextBox1 . Text call Web1 - .Get Math set TextBox1 . Text to | " " Text Lists Dictionaries Colors ■ Variables

Node Red - Getting response from app



Python Code:

```
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgld": "v34dpq",
    "typeId": "18BLC1057",
     "deviceId":"123456"
  },
  "auth": {
     "token": "123456789"
}
def myCommandCallback(cmd):
  print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
while True:
  client.commandCallback = myCommandCallback
  time.sleep(2)
client.disconnect()
```

OUTPUT:

Python shell:

Mobile App:





APP LINK:

http://ai2.appinventor.mit.edu/b/ex0s