## **ASSIGNMENT 4**

Develop a mobile application that takes the user input and sends it to IoT device (python code). print the received data in python shell.

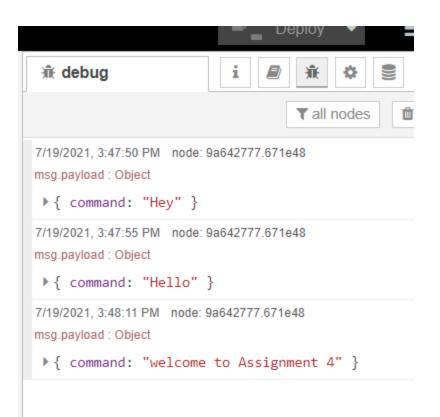
Keep a text box to accept the user input integrate a submit button.

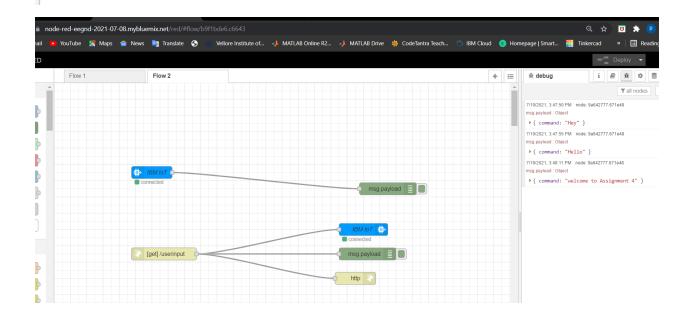
whenever user enters the text input in text box and clicks the button the data should be sent to IBM cloud using URL(HTTP API).

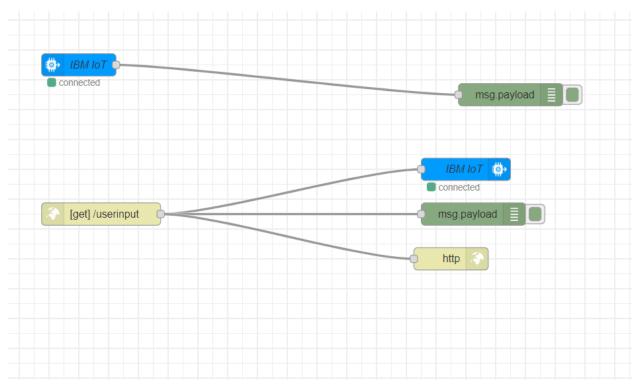
## CODE

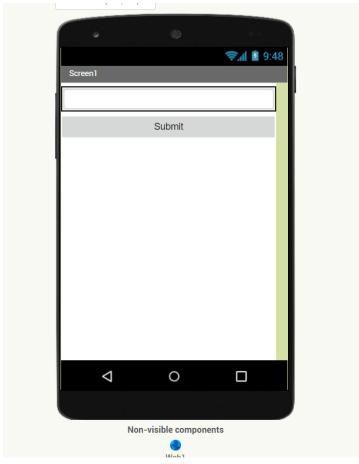
```
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": "3ofvvl",
    "typeId": "vit_device",
    "deviceId":"8821"
  },
  "auth": {
    "token": "123jmpNDA25"
  }
}
def myCommandCallback(cmd):
  print("Message received from IBM IoT Platform: %s" % cmd.data["command"])
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
while True:
  client.commandCallback = myCommandCallback
  time.sleep(2)
```

```
ibmiot.py - C:\Users\praty\OneDrive\Desktop\my\ibmiot.py (3.9.6)
                                                                             File Edit Format Run Options Window Help
 import wiotp.sdk.device
 import time
 import random
 myConfig = {
     "identity": {
         "orqId": "3ofvvl",
         "typeId": "vit device",
         "deviceId": "8821"
     },
     "auth": {
         "token": "123jmpNDA25"
 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()
*IDLE Shell 3.9.6*
                                                                               X
                                                                         File Edit Shell Debug Options Window Help
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AM ^
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: C:\Users\praty\OneDrive\Desktop\my\ibmiot.py ========
2021-07-19 15:45:03,692 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d:3ofvvl:vit device:8821
Message received from IBM IoT Platform: Hey
Message received from IBM IoT Platform: Hello
Message received from IBM IoT Platform: welcome to Assignment 4
```



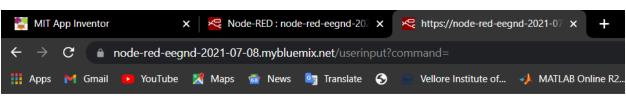












{"command":""}