

#### ASSIGNMENT 4:

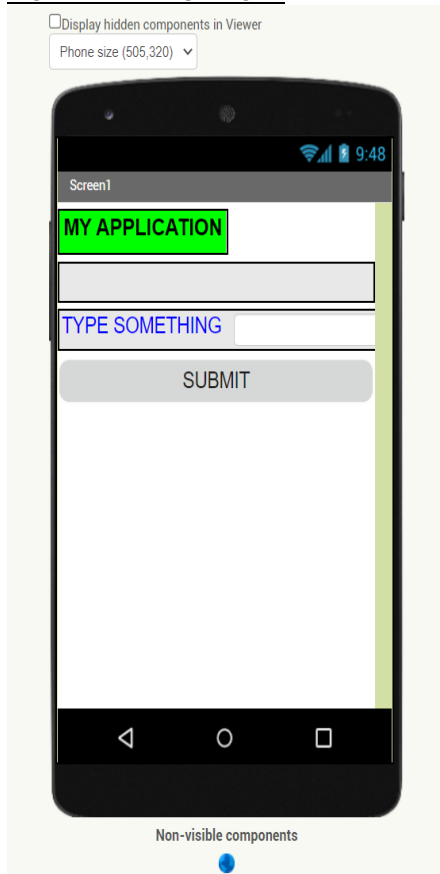
Develop a mobile application that takes the user input and sends it to IoT device (python code).  
print the received data in python shell.

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

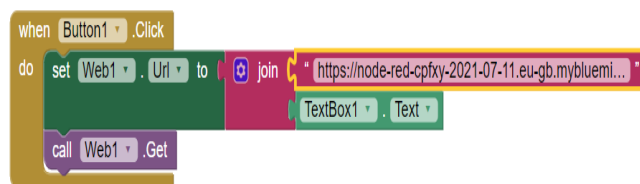
whenever user enters the text input in text box and clicks the button the data should be sent to IBM cloud using URL (HTTP API).

#### CODE:

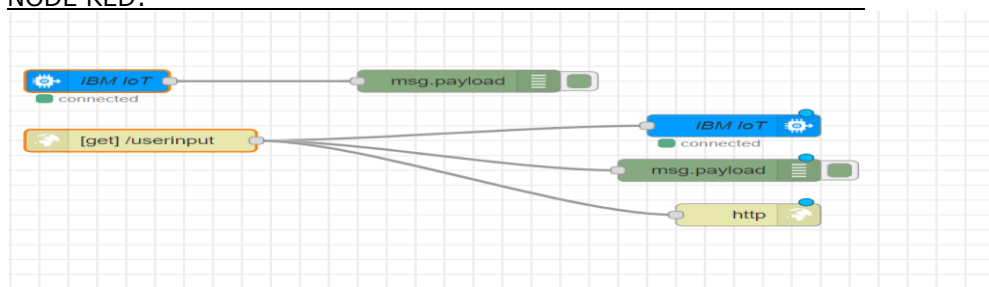
#### MOBILE APPLICATION:



#### BLOCKS:



#### NODE RED:




#### OUTPUT:

## NODE RED OUT:

```
7/19/2021, 1:17:08 AM node: b969b9b6.625e58
msg.payload : Object
  { command: "Hello" }

7/19/2021, 1:17:25 AM node: b969b9b6.625e58
msg.payload : Object
  { command: "My application is running yay!" }
```

## PYTHON IDLE:



```
*IDLE Shell 3.9.6*
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 (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:\Users\SUBHRAJIT HOOM\OneDrive\Desktop\device name\assgn4.py ====
2021-07-19 12:23:44,527 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:3zj2w8:vitdevice:8335
Message received from IBM IoT Platform: hey
Message received from IBM IoT Platform: my app is working
Message received from IBM IoT Platform: my app is working
```