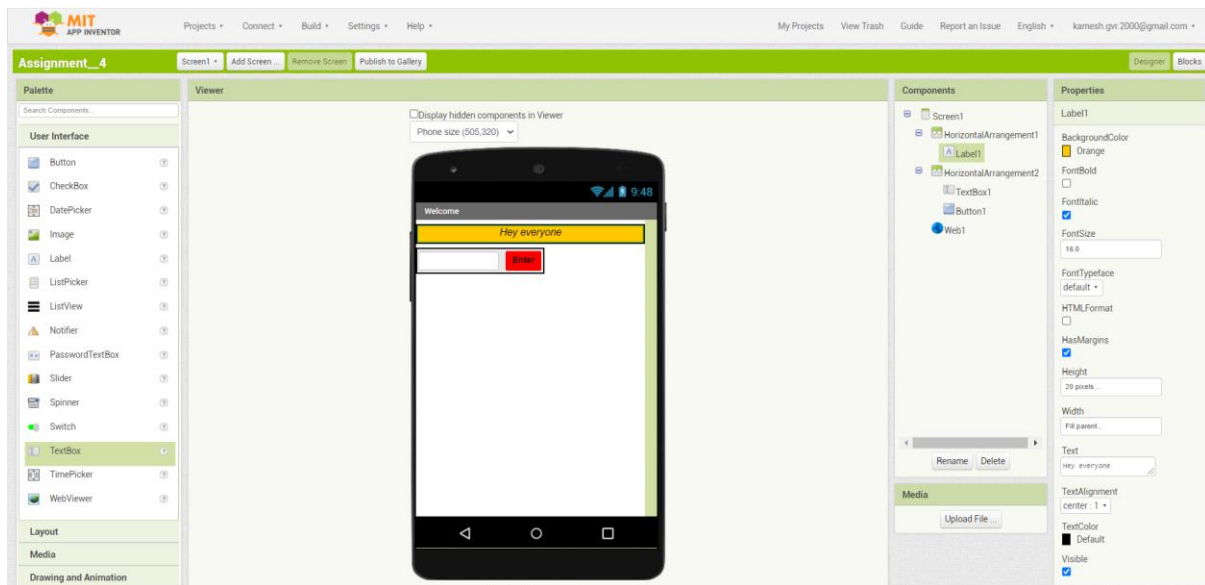# ASSIGNMENT – 4

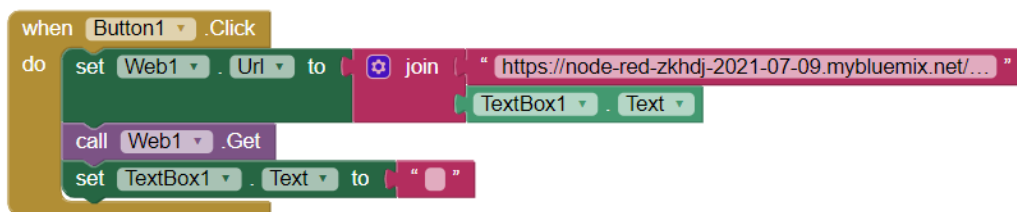**NAME:** G V R KAMESHWAR RAO

**REG NO:** 18BEC1094

PROBLEM STATEMENT: 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).

MIT APP:

Design:



Block:



PYTHON CODE:

import wiotp.sdk.device

import time

import random

```python
myConfig = {
    "identity": {
        "orgId": "6tj1mh",
        "typeId": "kamesh",
        "deviceId":"1094"
    },
    "auth": {
        "token": "12345678"
    }
}
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()
```
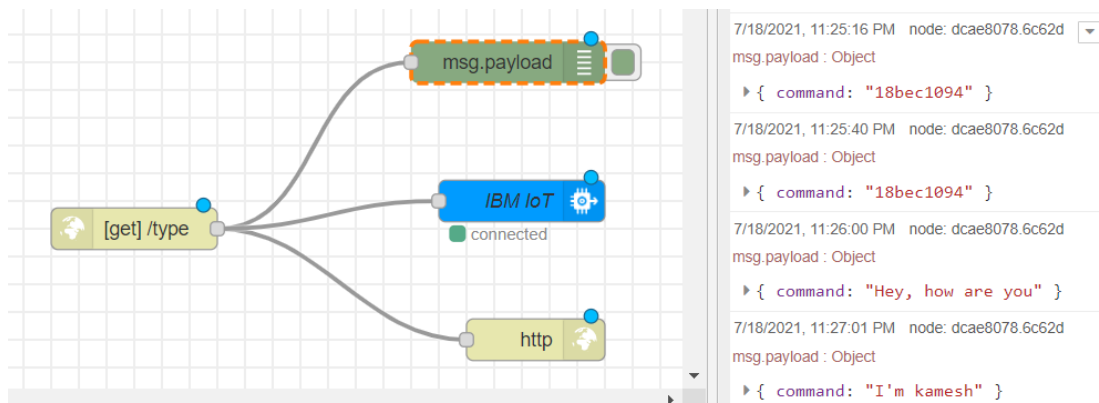
OUTPUT:

```
>>>
 RESTART: C:/Users/Kameshwar/AppData/Local/Programs/Python/Python37-32/assign4.py
2021-07-18 23:25:35,561    wiotp.sdk.device.client.DeviceClient  INFO    Connected
successfully: d:6tj1mh:kamesh:1094
Message received from IBM IoT Platform: 18bec1094
Message received from IBM IoT Platform: Hey, how are you
Message received from IBM IoT Platform: I'm kamesh
```

NODE RED APP:

## USER INTERFACE:

**Welcome**

*Hey everyone*

I'm kamesh

**Enter**