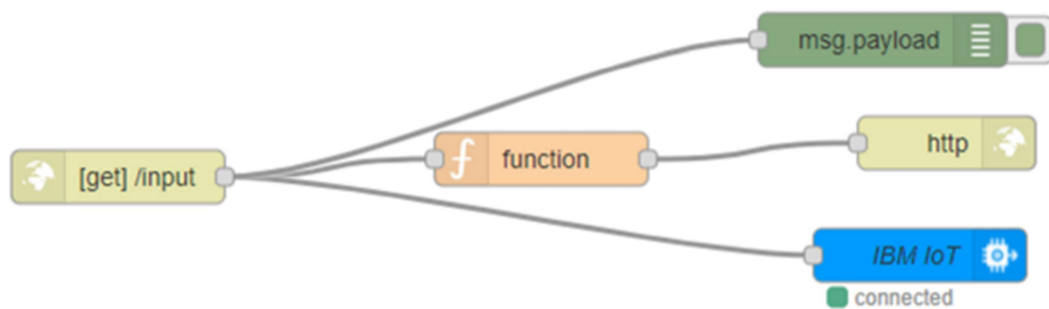


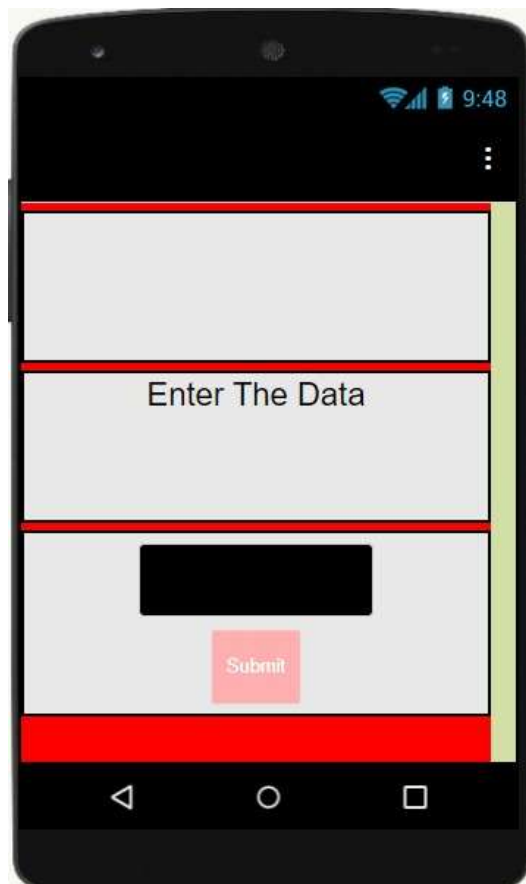
HarishRaaghav – harishraaghav.ss2019@vitstudent.ac.in

## Assignment 4

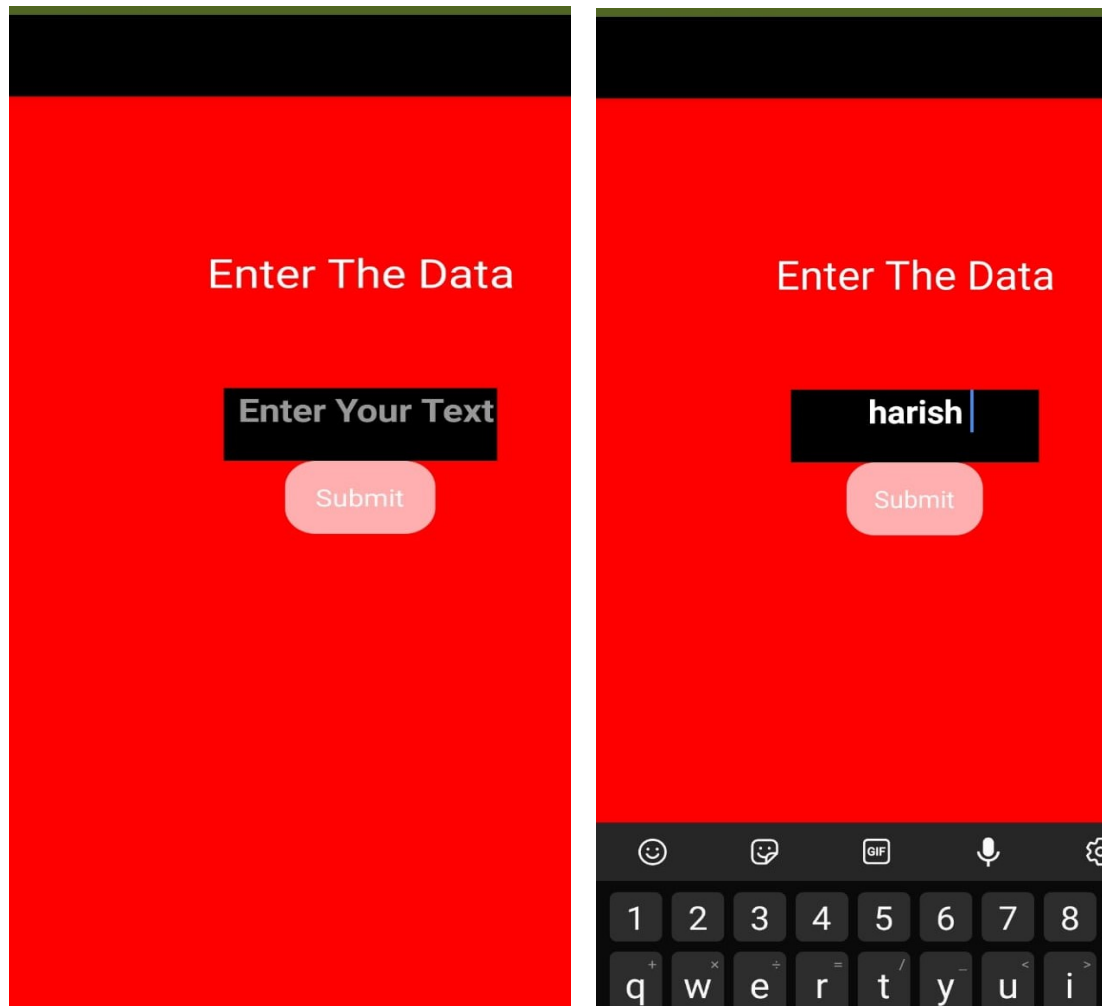
NODE RED INTERFACE :



CONSTRUCTED APPLICATION INTERFACE :



## APPLICATION LOOK :



## NODE-RED OUTPUT :

```
7/19/2021, 6:41:59 PM node: a16183f5.6ba  
msg.payload : Object  
  ▶ { input: "harish" }
```

## PYTHON OUTPUT :

```
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.  
D64)] on win32  
Type "help", "copyright", "credits" or "license()" for more infor  
>>>  
= RESTART: C:\Users\rsvim\AppData\Local\Programs\Python\Python39\  
-4.py  
2021-07-19 18:41:34,193 wiotp.sdk.device.client.DeviceClient I  
d successfully: d:f6qz98:vimal:29112001  
Message received from IBM IoT Platform: harish
```

## CODE :

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "q2mp6a",
        "typeId": "HarishDevice",
        "deviceId": "22072002"
    },
    "auth": {
        "token": "123456789"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['input'])
    print()

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```