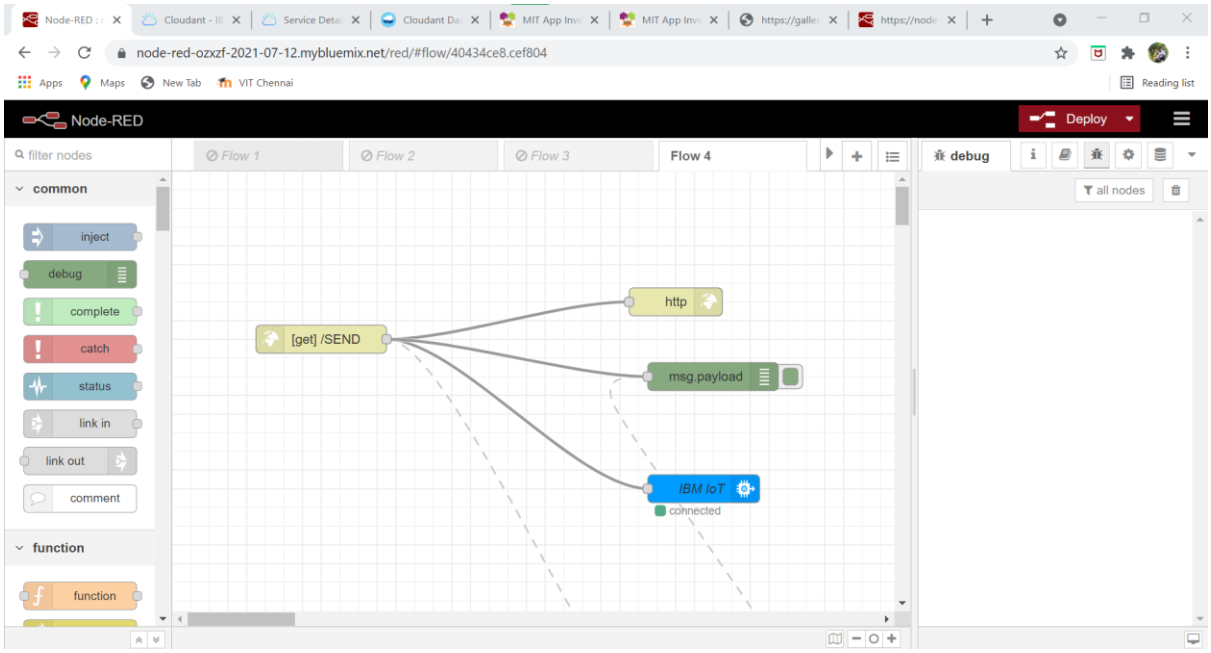
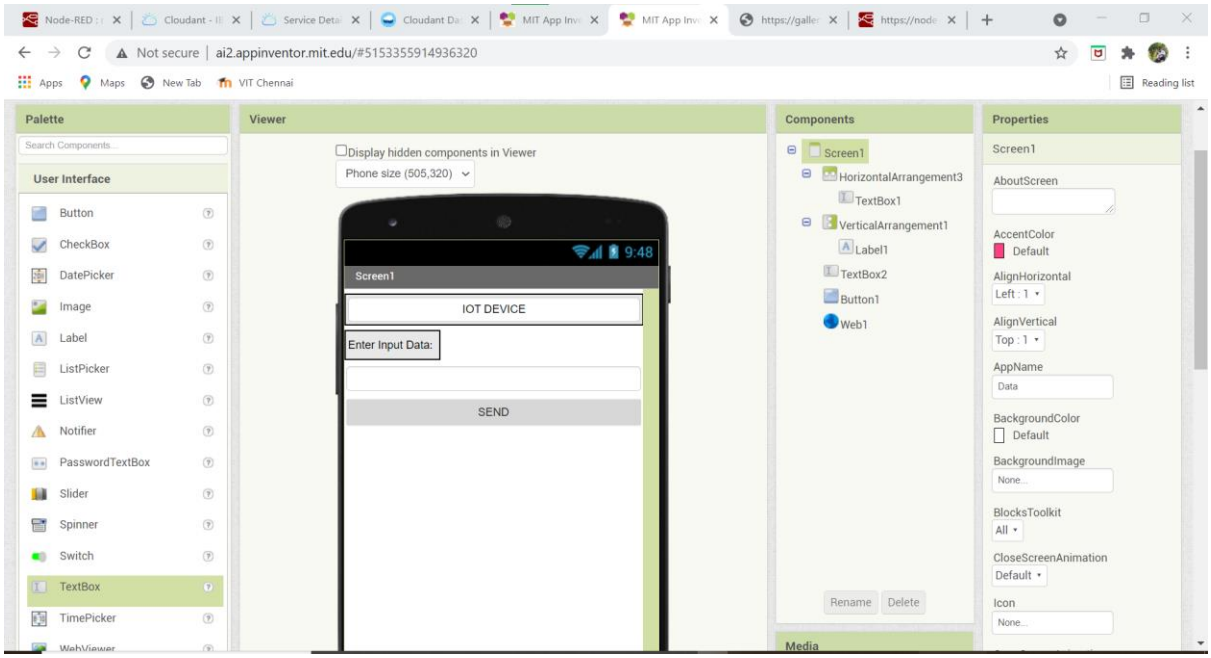
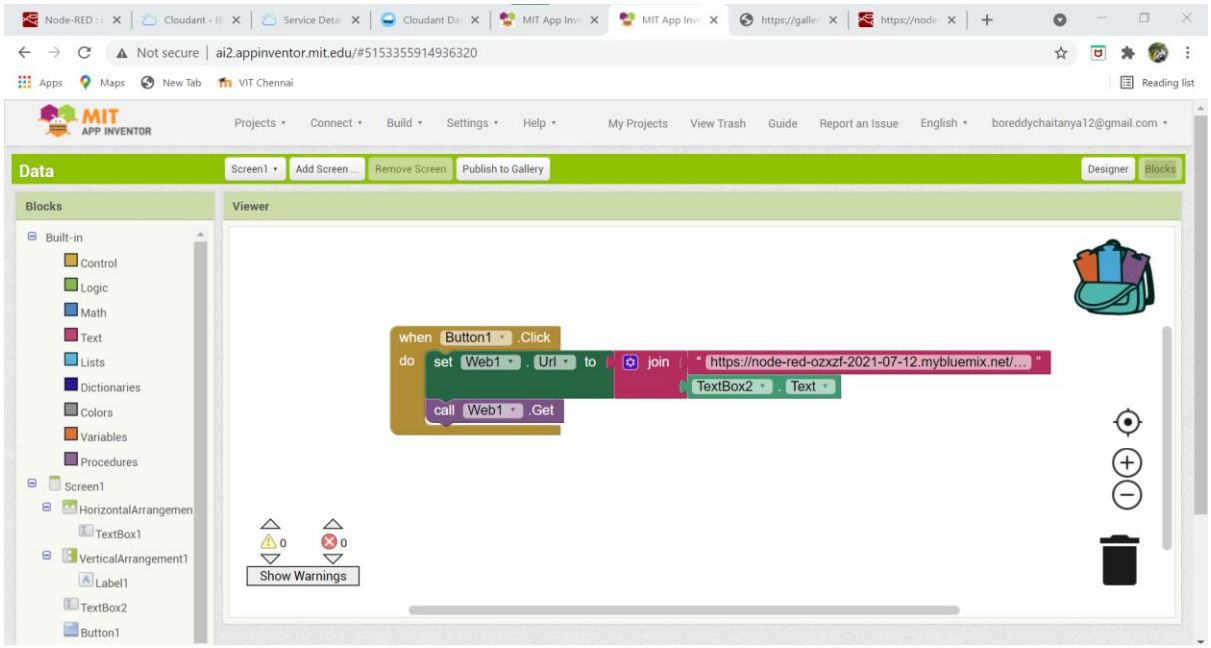
ASSIGNMENT_4:

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).



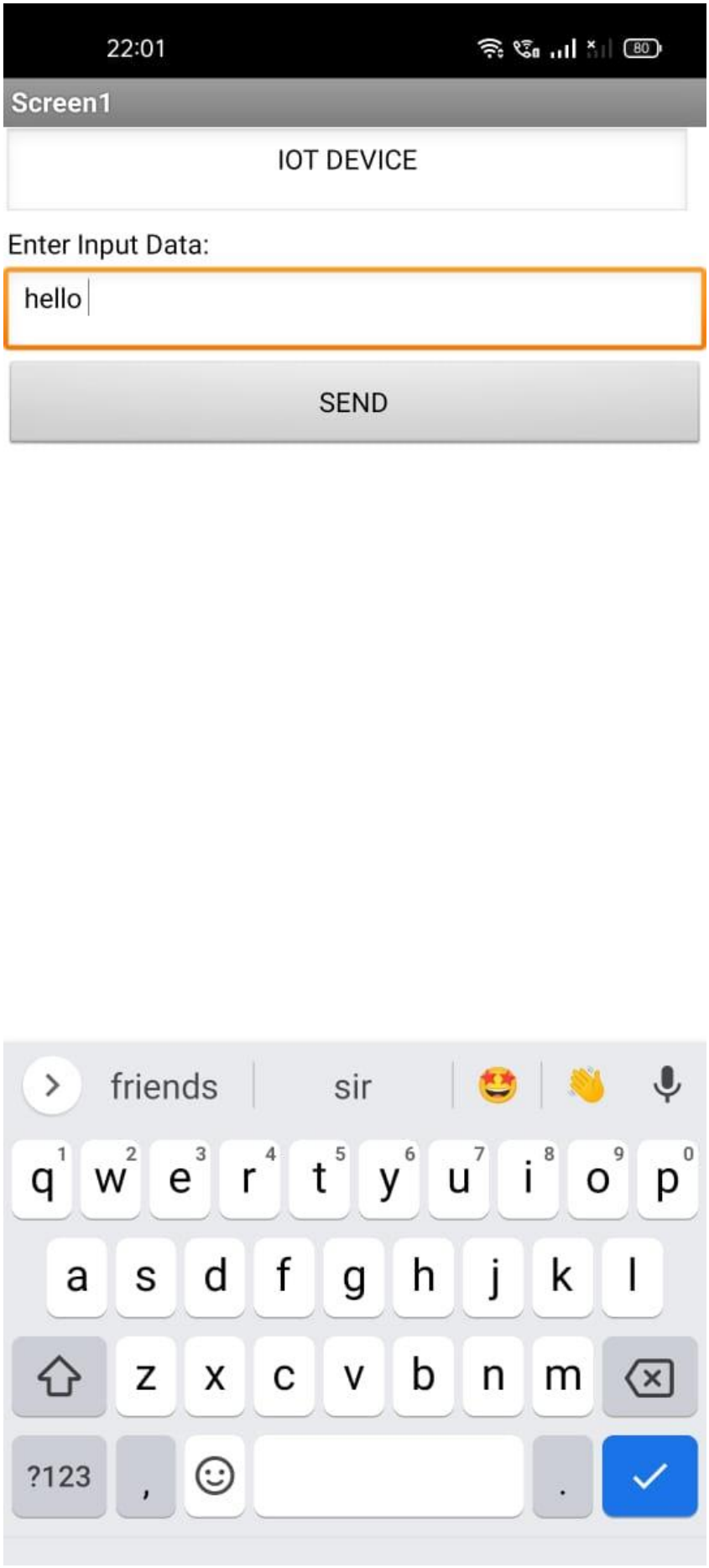


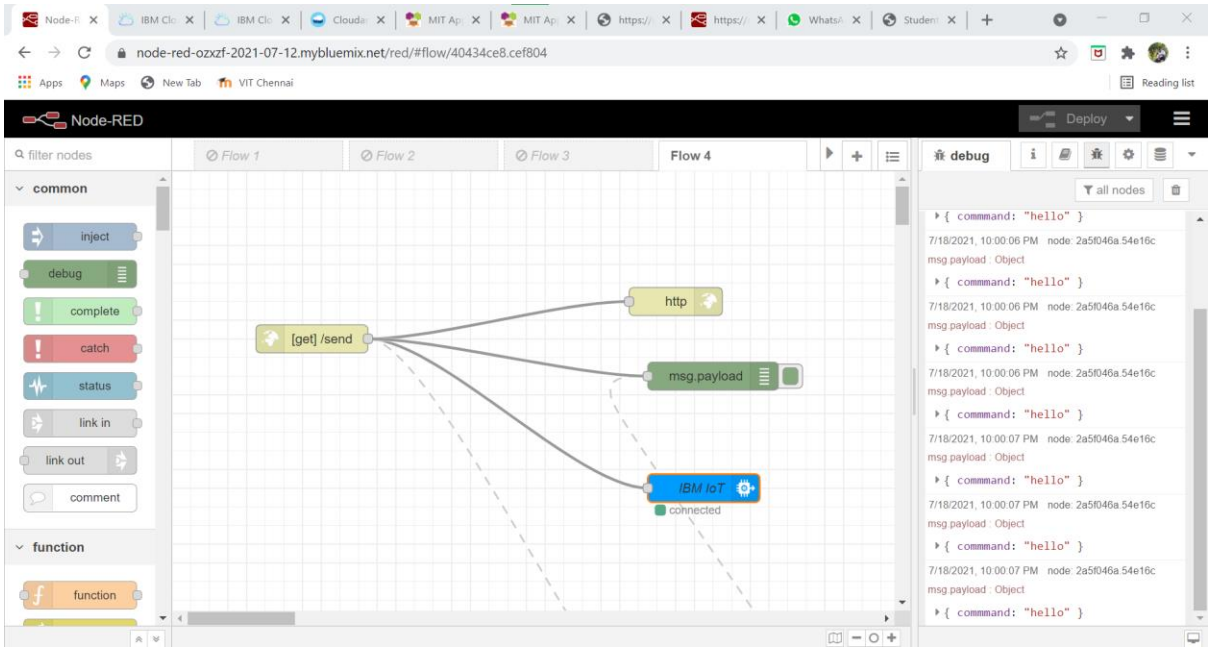


Code:

```
mport wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "1bjhlu",
        "typeId": "VITDEVICE",
        "deviceId":"63021"
    },
    "auth": {
        "token": "987654321"
    }
}
def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    print()
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
while True:
```

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


22:01
Screen1
IOT DEVICE
Enter Input Data:
hello
SEND
friends
sir


node-red-ozxzf-2021-07-12.mybluemix.net/red/#flow/40434ce8.cef804
Node-RED
Deploy
filter nodes
Flow 1
Flow 2
Flow 3
Flow 4
common
inject
debug
complete
catch
status
link in
link out
comment
function
function
[get] /send
http
msg.payload
IBM IoT
connected
debug
all nodes
{ commmand: "hello" }
7/18/2021, 10:00:06 PM node: 2a5f046a.54e16c
msg.payload : Object
{ commmand: "hello" }
7/18/2021, 10:00:06 PM node: 2a5f046a.54e16c
msg.payload : Object
{ commmand: "hello" }
7/18/2021, 10:00:06 PM node: 2a5f046a.54e16c
msg.payload : Object
{ commmand: "hello" }
7/18/2021, 10:00:07 PM node: 2a5f046a.54e16c
msg.payload : Object
{ commmand: "hello" }
7/18/2021, 10:00:07 PM node: 2a5f046a.54e16c
msg.payload : Object
{ commmand: "hello" }
7/18/2021, 10:00:07 PM node: 2a5f046a.54e16c
msg.payload : Object
{ commmand: "hello" }


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/BOREDDY CHAITANYA/Desktop/cv_python_test/ass4.py ======
2021-07-18 20:35:10,379 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:1bjhlu:VITDEVICE:63021
Message received from IBM IoT Platform: hello