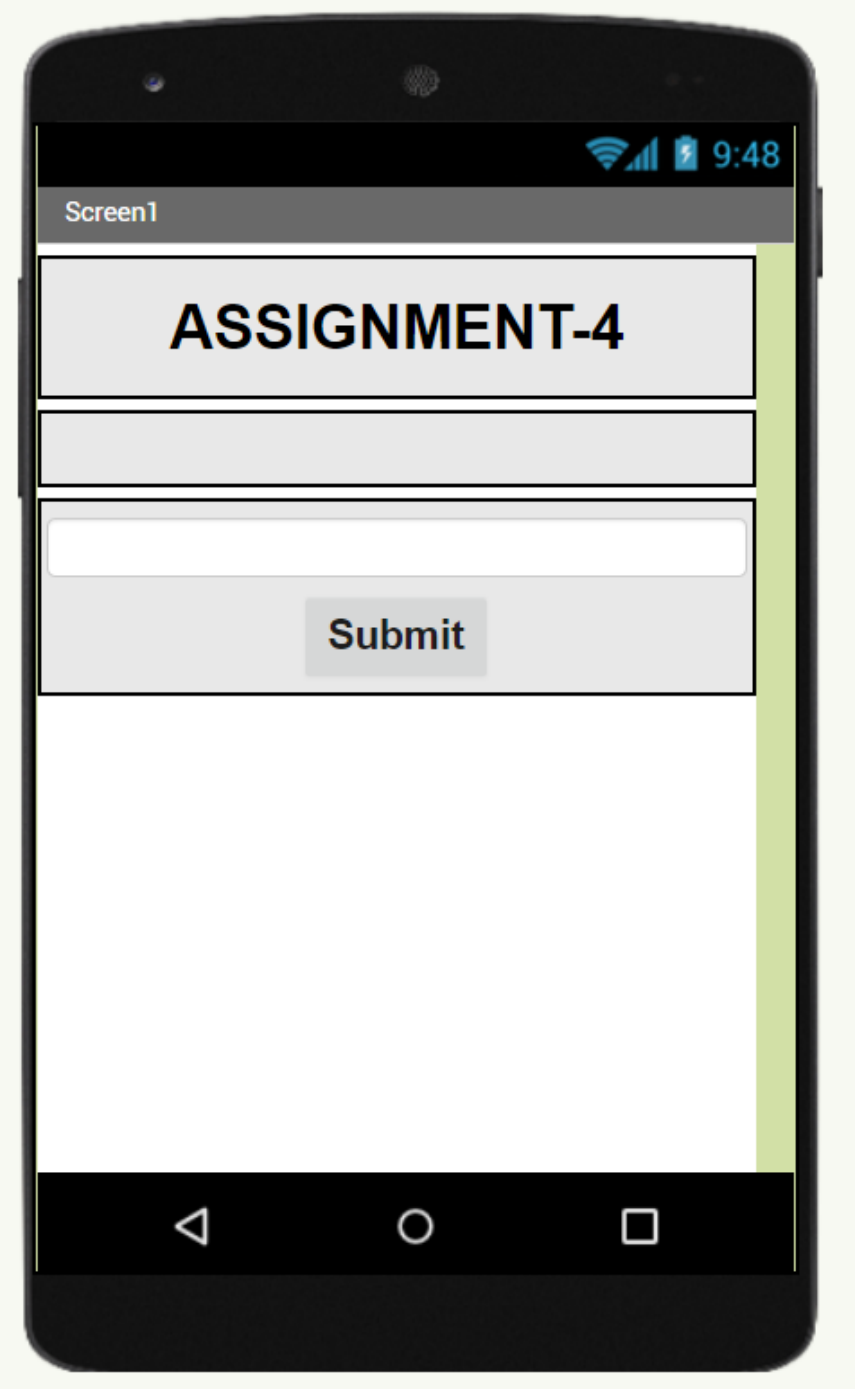
ASSIGNMENT-4

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).

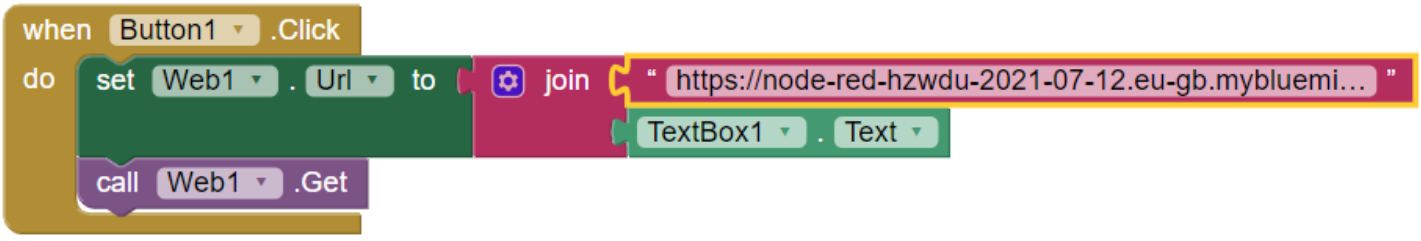
CODE

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "mawtlg",
        "typeId": "VIT-IOT-device",
        "deviceId":"12345"
    },
    "auth": {
        "token": "12345678"
    }
}

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

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

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

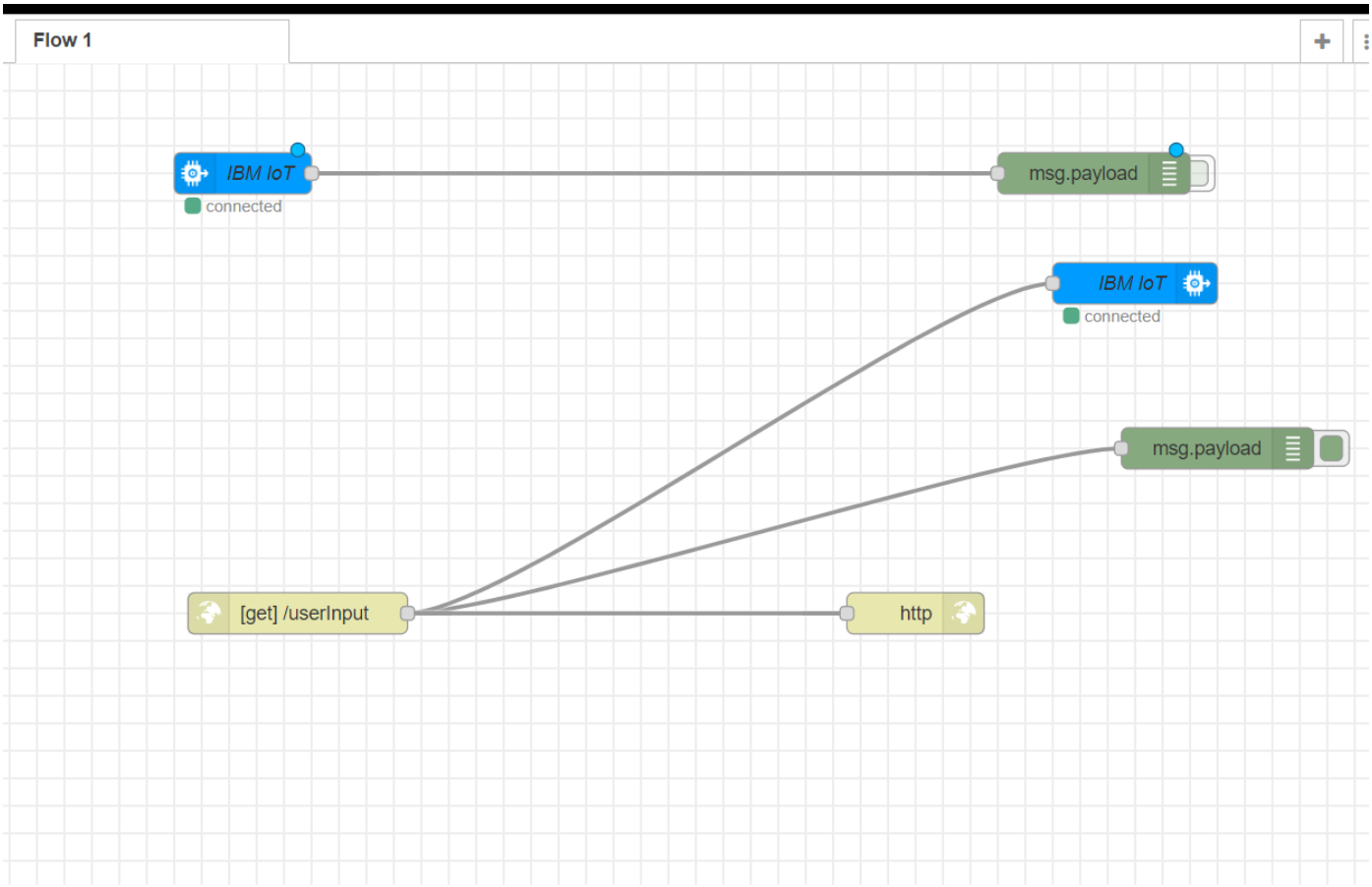
Application UI



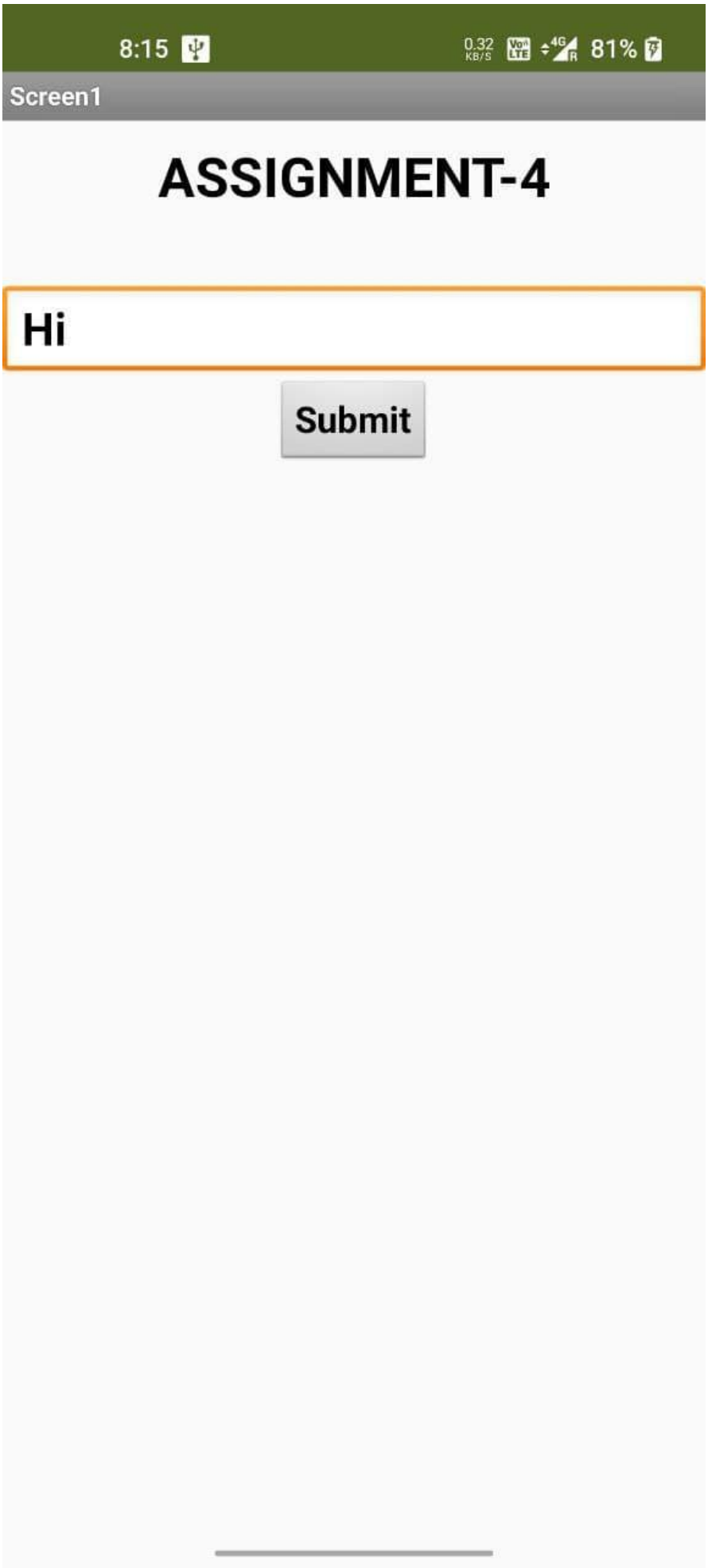
Blocks to function the above UI

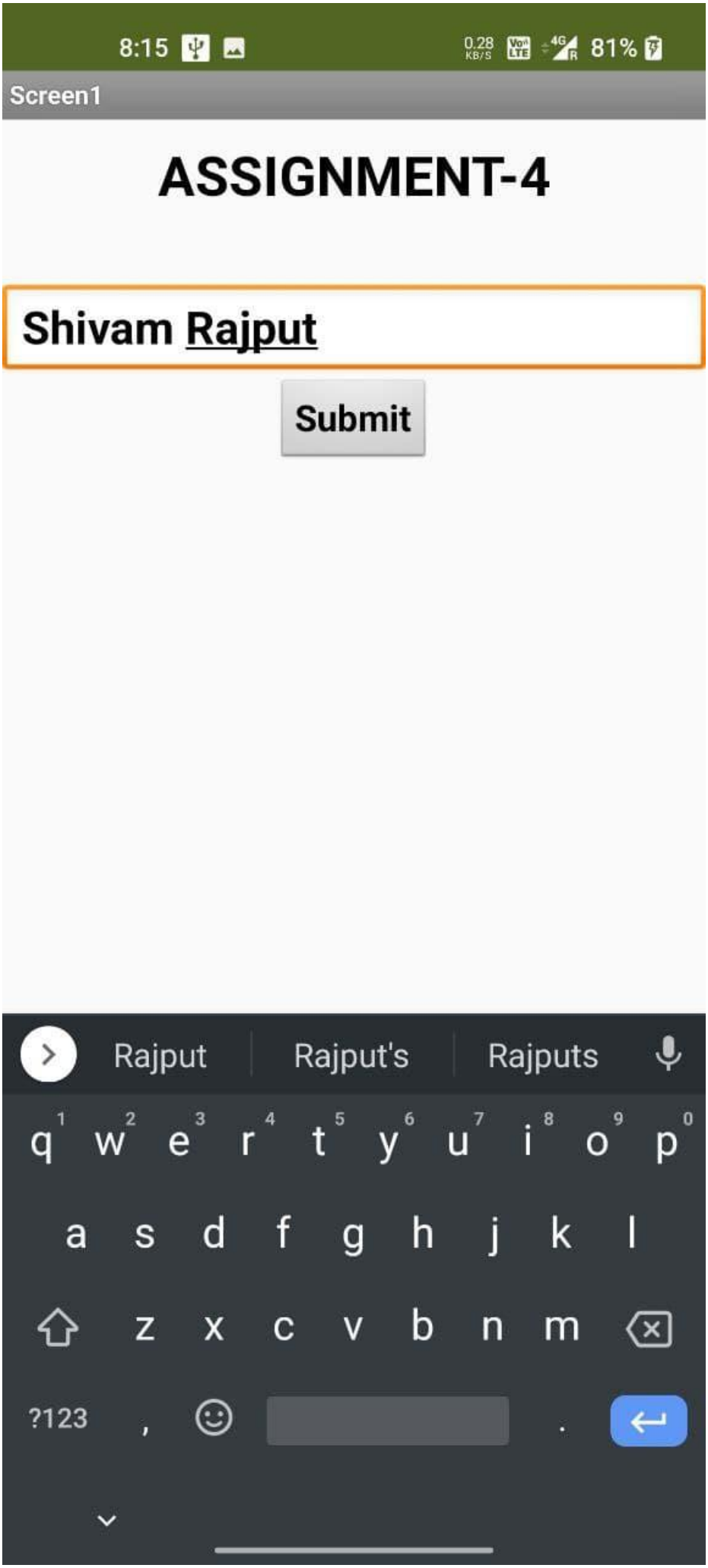


Node-red Flow that connects the IBMIoT with the Application



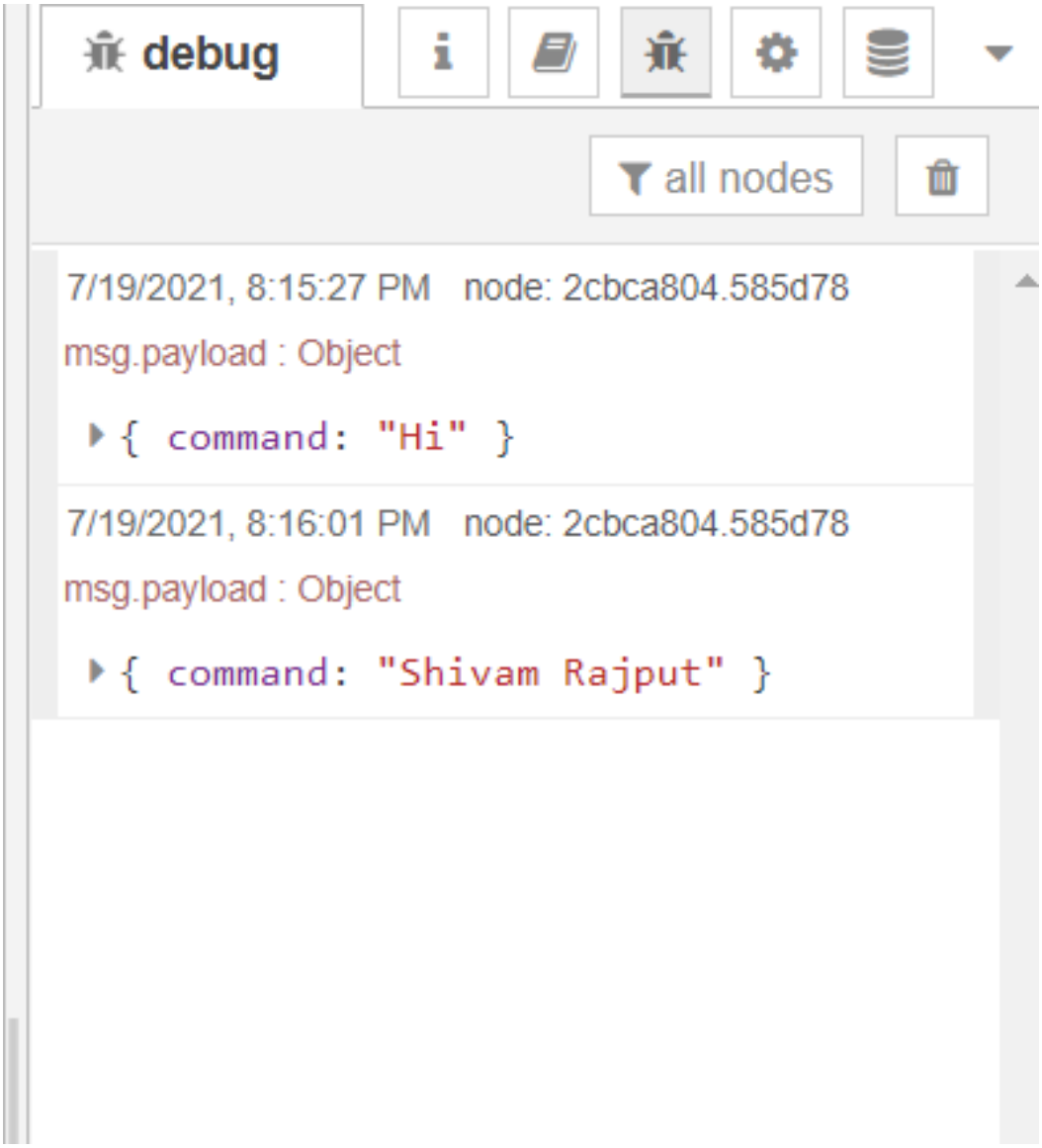
Input through the App:




8:15
0.28 KB/S
81%
Screen1
ASSIGNMENT-4
Shivam Rajput
Submit
Rajput
Rajput's
Rajputs
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
?123

Outputs:

Node-red Debug Screen:



Python shell: