ASSIGNMENT-4

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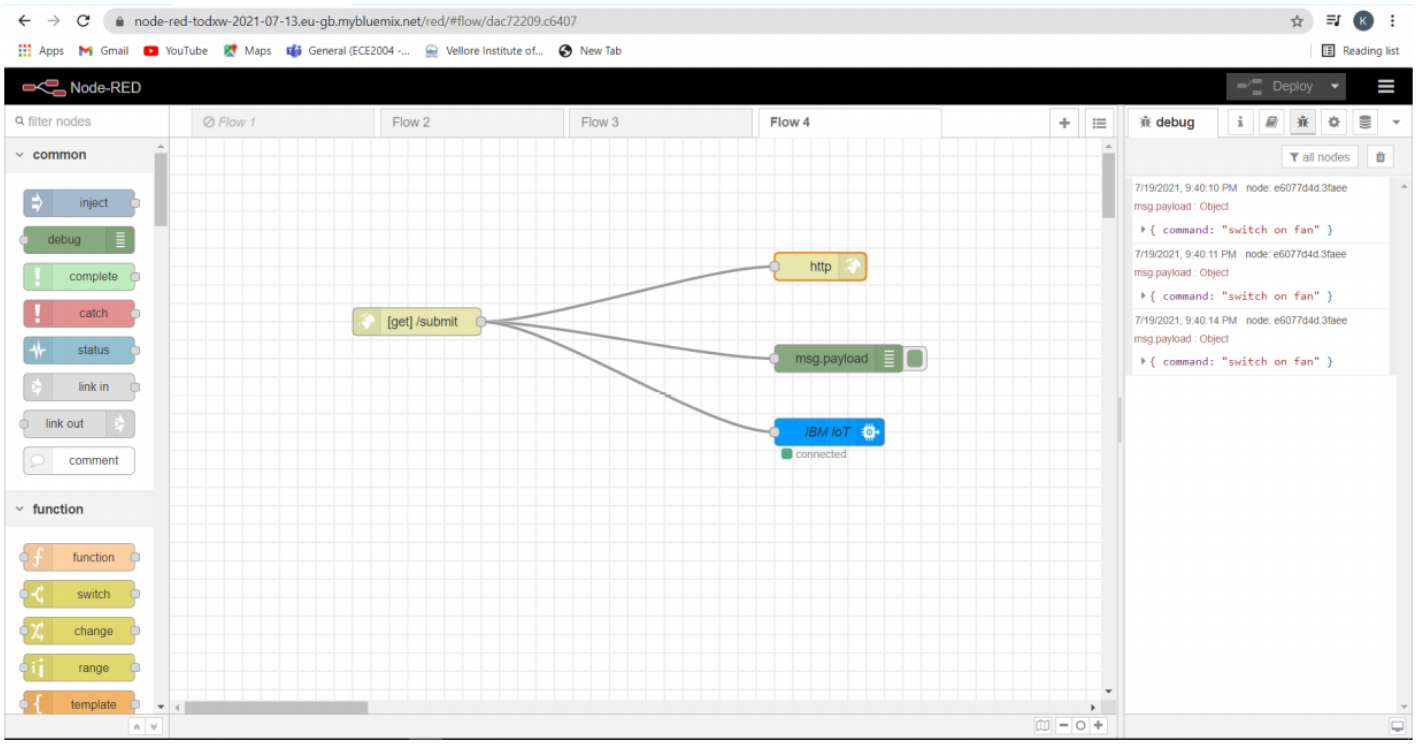
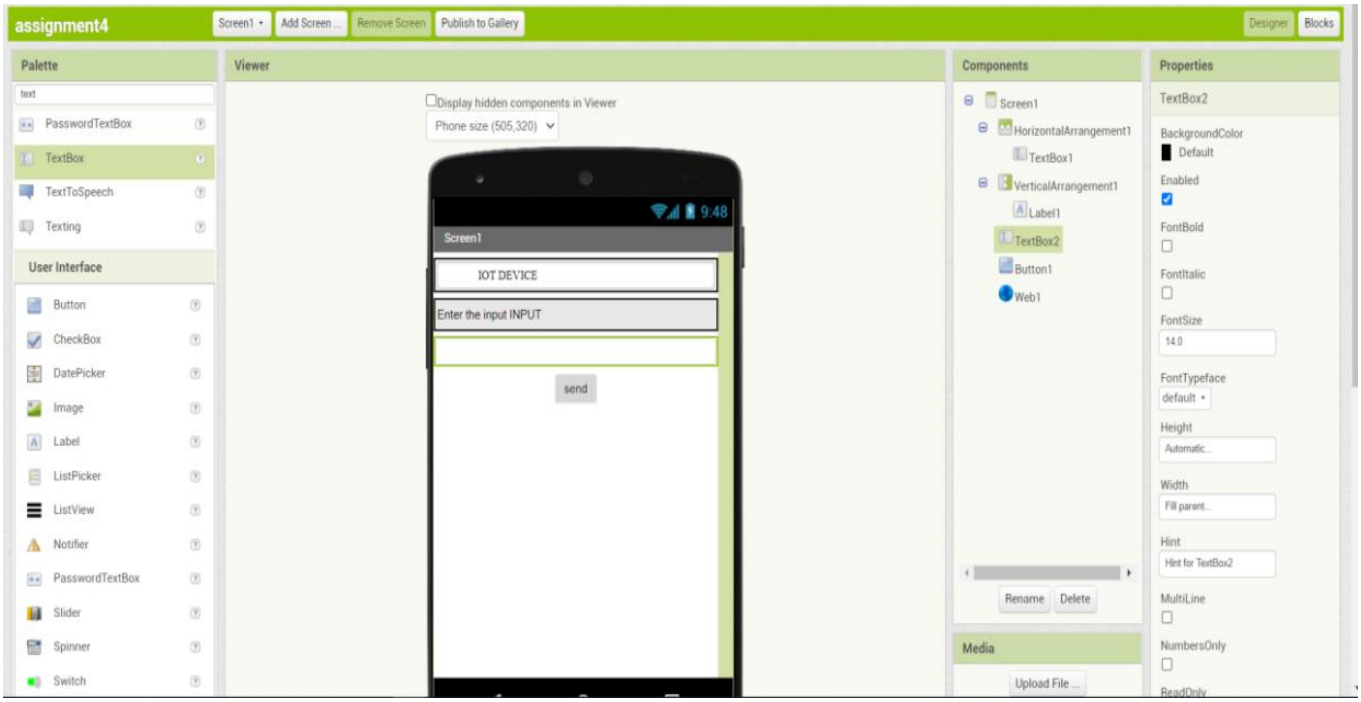
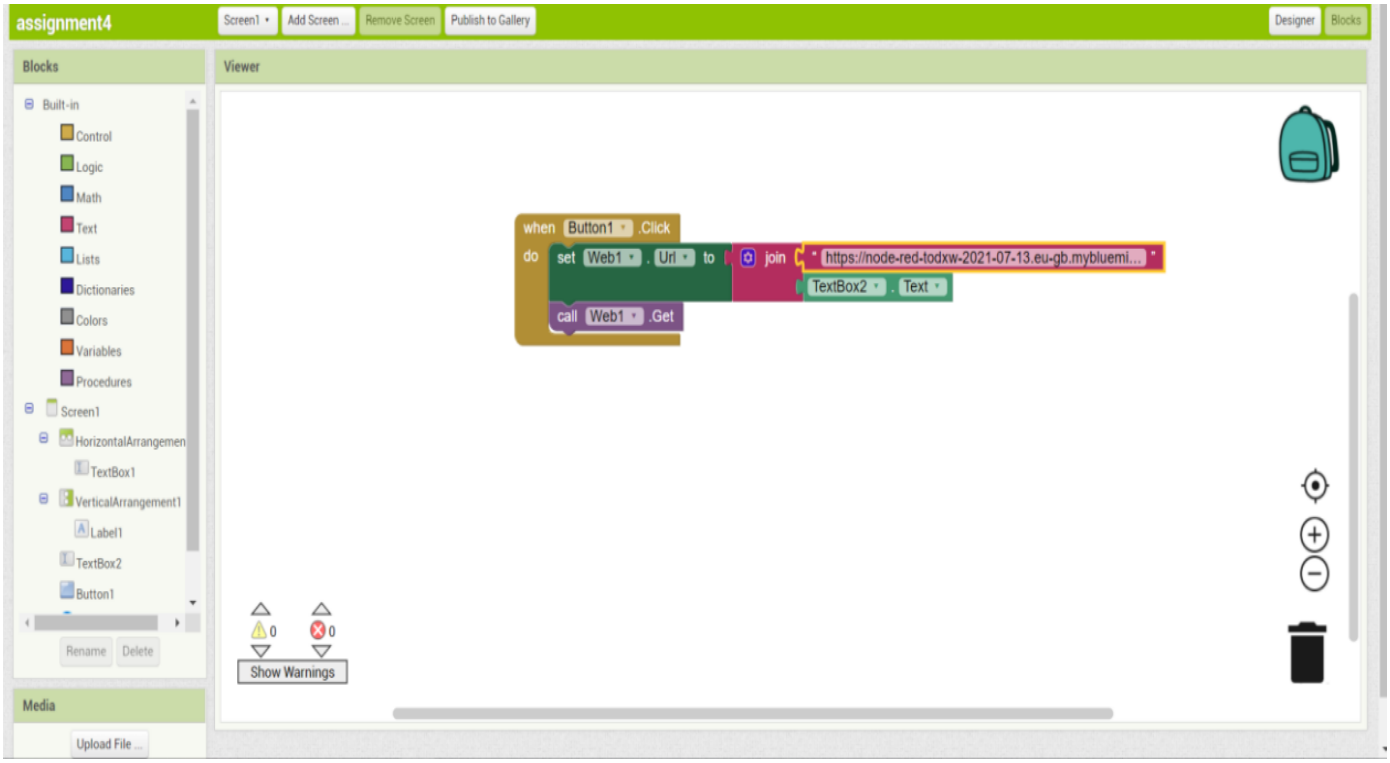



assignment4
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Palette
text
PasswordTextBox
TextBox
TextToSpeech
Texting
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
Viewer
Display hidden components in Viewer
Phone size (505,320)
9:48
Screen1
IOT DEVICE
Enter the input INPUT
send
Components
Screen1
HorizontalArrangement1
TextBox1
VerticalArrangement1
Label1
TextBox2
Button1
Web1
Rename
Delete
Media
Upload File ...
Properties
TextBox2
BackgroundColor
Default
Enabled
FontBold
FontItalic
FontSize
14.0
FontTypeface
default
Height
Automatic...
Width
Fill parent...
Hint
Hint for TextBox2
MultiLine
NumbersOnly
ReadOnly


assignment4
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Blocks
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen1
HorizontalArrangemen
TextBox1
VerticalArrangement1
Label1
TextBox2
Button1
Rename
Delete
Media
Upload File ...
Viewer
when Button1 .Click
do set Web1 . Url to join " https://node-red-todxw-2021-07-13.eu-gb.mybluemi... "
TextBox2 . Text
call Web1 .Get
0
0
Show Warnings

PYTHON CODE:

```
import wiotp.sdk.device
import time
import random
myConfig = {
 "identity": {
 "orgId": "0jg4rj",
 "typeId": "sivdevice",
 "deviceId":"9347"
 },
 "auth": {
 "token": "Sushwanth2005"
 }
}
def myCommandCallback(cmd):
 print("Message received from IBM IoT Platform: %s" %
cmd.data['command'])
 print()
```

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

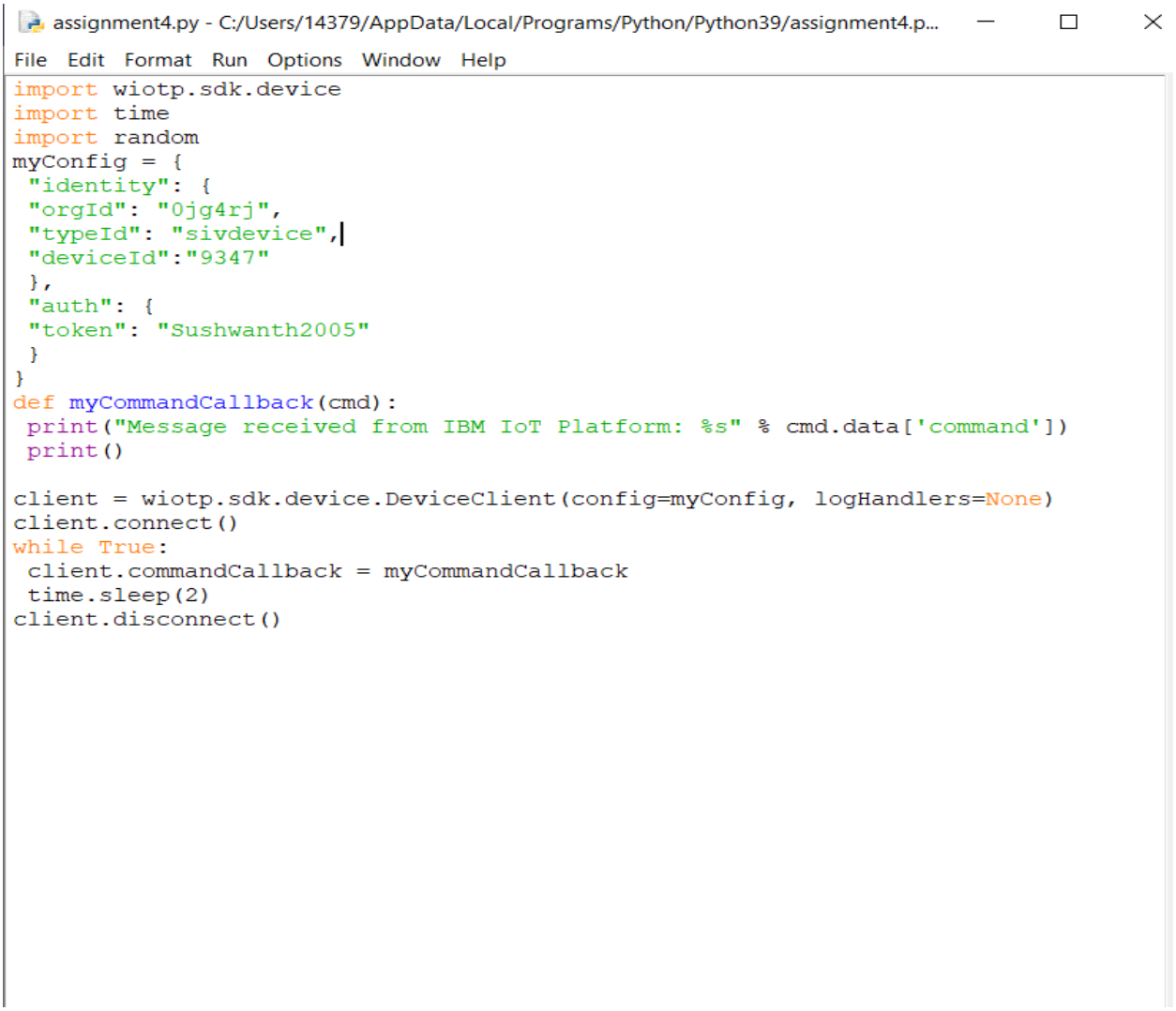
client.connect()

while True:

 client.commandCallback = myCommandCallback

 time.sleep(2)

client.disconnect()



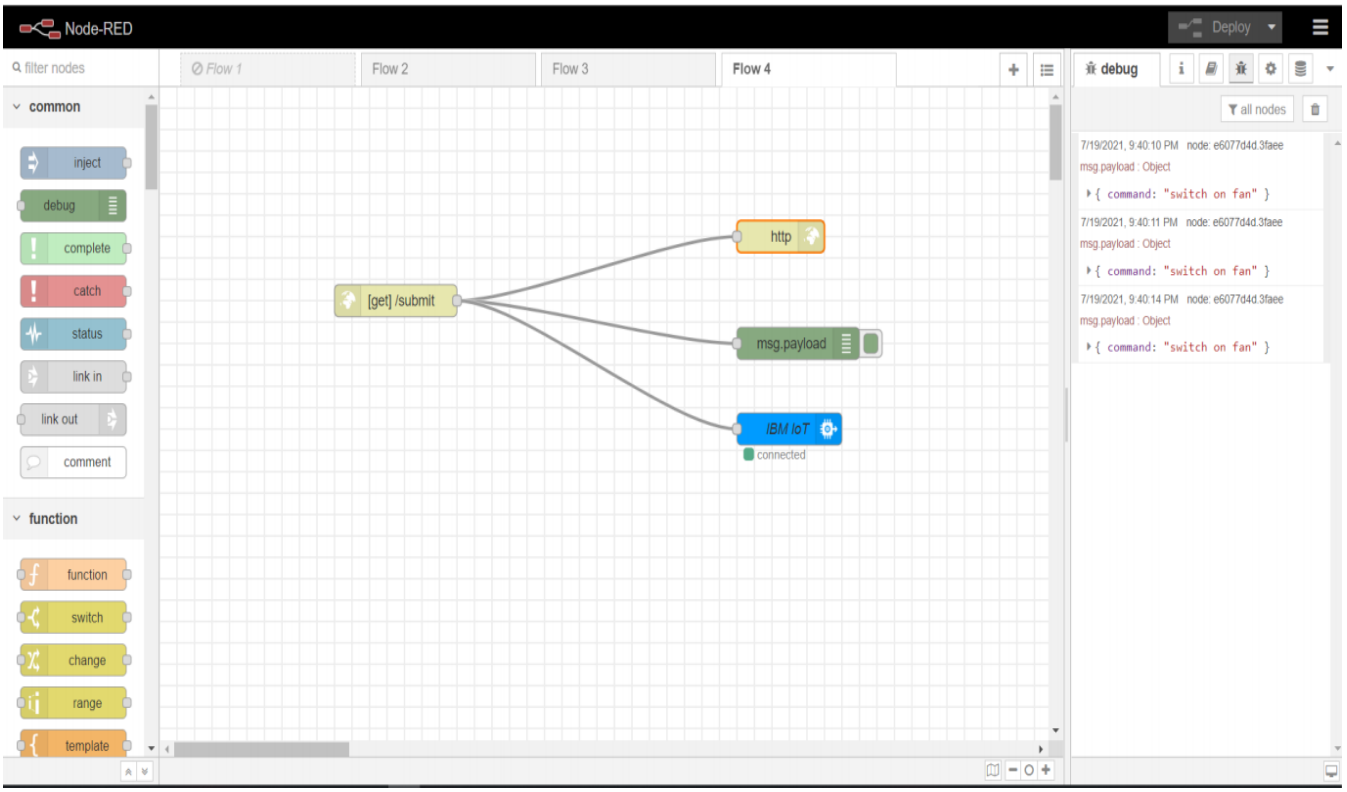
AFTER EXECUTION:

```
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/NITHIN/AppData/Local/Programs/Python/Python39/assignment4.py ==========
2021-07-19 21:38:21,450    wiotp.sdk.device.client.DeviceClient  INFO    Connected successfully: d:xmf5vy:V1:9399996166
Message received from IBM IoT Platform: switch on fan

Message received from IBM IoT Platform: switch on fan

Message received from IBM IoT Platform: switch on fan


========== RESTART: C:/Users/NITHIN/AppData/Local/Programs/Python/Python39/assignment4.py ==========
2021-07-19 21:40:20,911    wiotp.sdk.device.client.DeviceClient  INFO    Connected successfully: d:xmf5vy:V1:9399996166
```


Node-RED
Deploy
filter nodes
Flow 1
Flow 2
Flow 3
Flow 4
debug
all nodes
common
inject
debug
complete
catch
status
link in
link out
comment
function
function
switch
change
range
template
[get] /submit
http
msg.payload
IBM IoT
connected
7/19/2021, 9:40:10 PM node: e6077d4d.3faee
msg.payload : Object
{ command: "switch on fan" }
7/19/2021, 9:40:11 PM node: e6077d4d.3faee
msg.payload : Object
{ command: "switch on fan" }
7/19/2021, 9:40:14 PM node: e6077d4d.3faee
msg.payload : Object
{ command: "switch on fan" }