



ASSIGNMENT 4

Printing text from web app on python shell through IOT platform



BY

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CODE-

```
import wiotp.sdk.device
import time
import random

myConfig = {
    "identity": {
        "orgId": "j8rgpm",
        "typeId": "First_Device",
        "deviceId": "123"
    },
    "auth": {
        "token": "First_Device_123"
    }
}

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

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

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

client.disconnect()
```

code.py - D:/rohan/Personal/Courses/IOT/Assignments/Assignment-4/code.py (3.9.0)

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NODE RED CONFIGURATION-

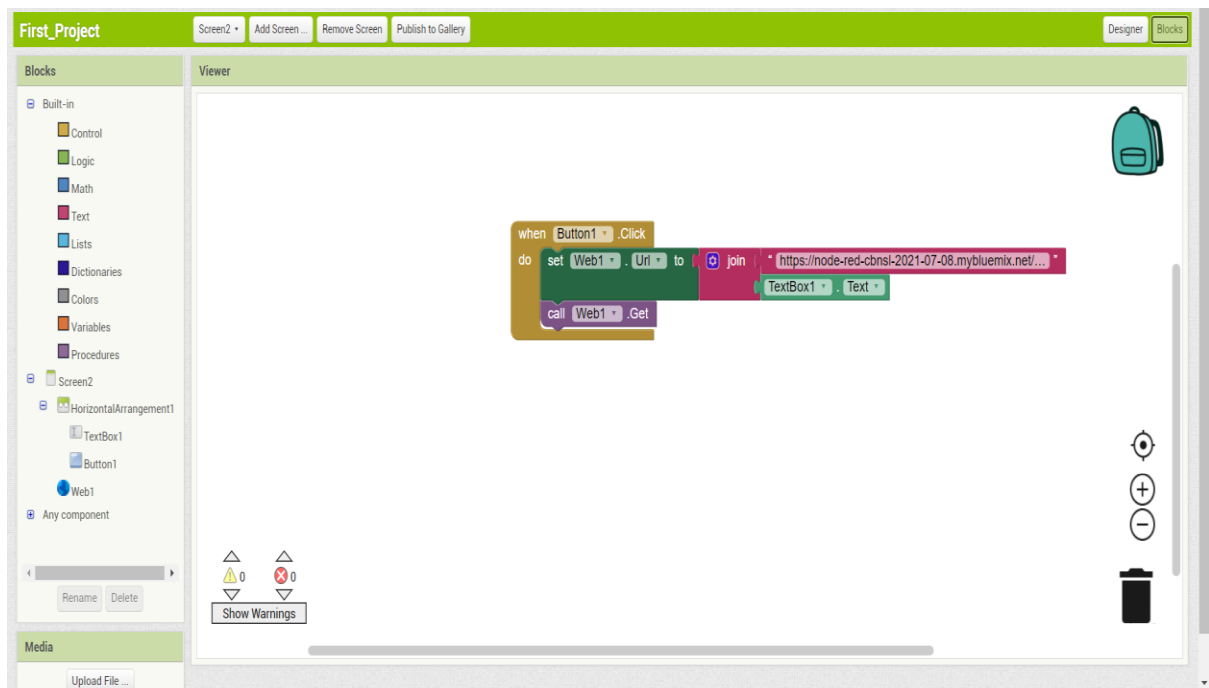
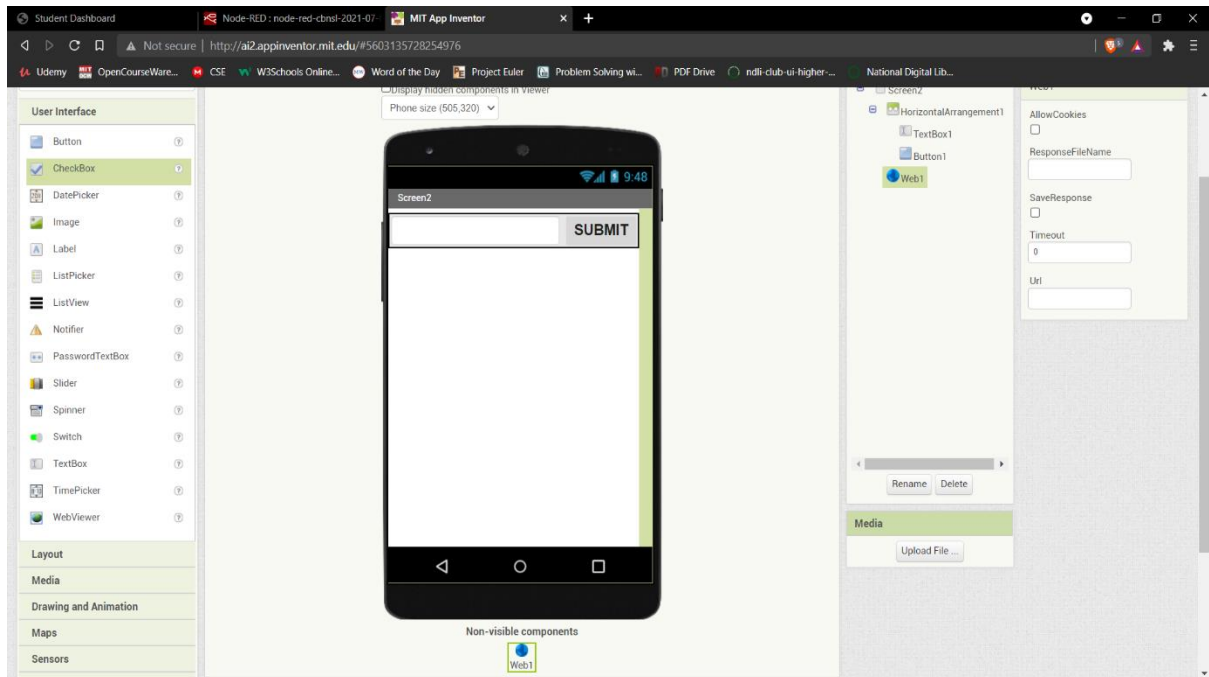
The screenshot displays the Node-RED web interface. Two flows are visible:

- Flow 1:** An **IBM IoT** node (labeled 'connected') is connected to a **msg.payload** node.
- Flow 2:** An **IBM IoT** node (labeled 'connected') is connected to a **[get] /control** node, which is then connected to an **http** node.

The **debug** console on the right shows a sequence of messages received from the IBM IoT platform:

- `{ command: "hi" }`
- `{ command: "test1" }`
- `{ command: "test1" }`
- `{ command: "test2" }`
- `{ command: "this is working" }`
- `{ command: "nice" }`
- `{ command: "spent a lot of time on this as_" }`
- `{ command: "final message" }`

MIT APP INVENTOR-



PYTHON SHELL OUTPUT-

 Python 3.9.0 Shell*

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Python 3.9.0 (tags/v3.9.0:9cf6752, Oct 5 2020, 15:34:40) [MSC v.1927 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

===== RESTART: D:/rohan/Personal/Courses/IOT/Assignments/Assignment-4/2.py =====

2021-07-15 15:57:54,559 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:j8rgpm:First_Device:123

Message received from IBM IoT Platform: hi

Data Received :

hi

Message received from IBM IoT Platform: test1

Data Received :

test1

Message received from IBM IoT Platform: test1

Data Received :

test1

Message received from IBM IoT Platform: test2

Data Received :

test2

Message received from IBM IoT Platform: this is working

Data Received :

this is working

Message received from IBM IoT Platform: nice

Data Received :

nice

Message received from IBM IoT Platform: spent a lot of time on this assignment

Data Received :

spent a lot of time on this assignment

Message received from IBM IoT Platform: final message

Data Received :

final message