

## Assignment 4

NAME: NEHA SHREE

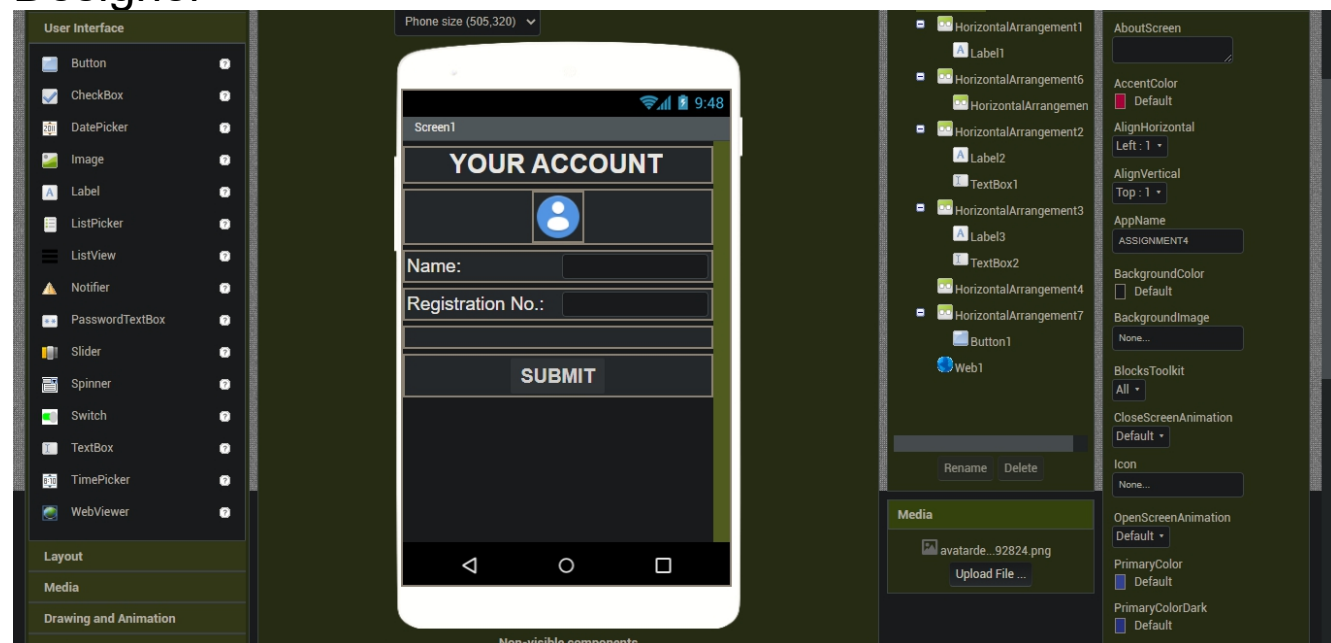
REGISTRATION NUMBER: 19BEI0130

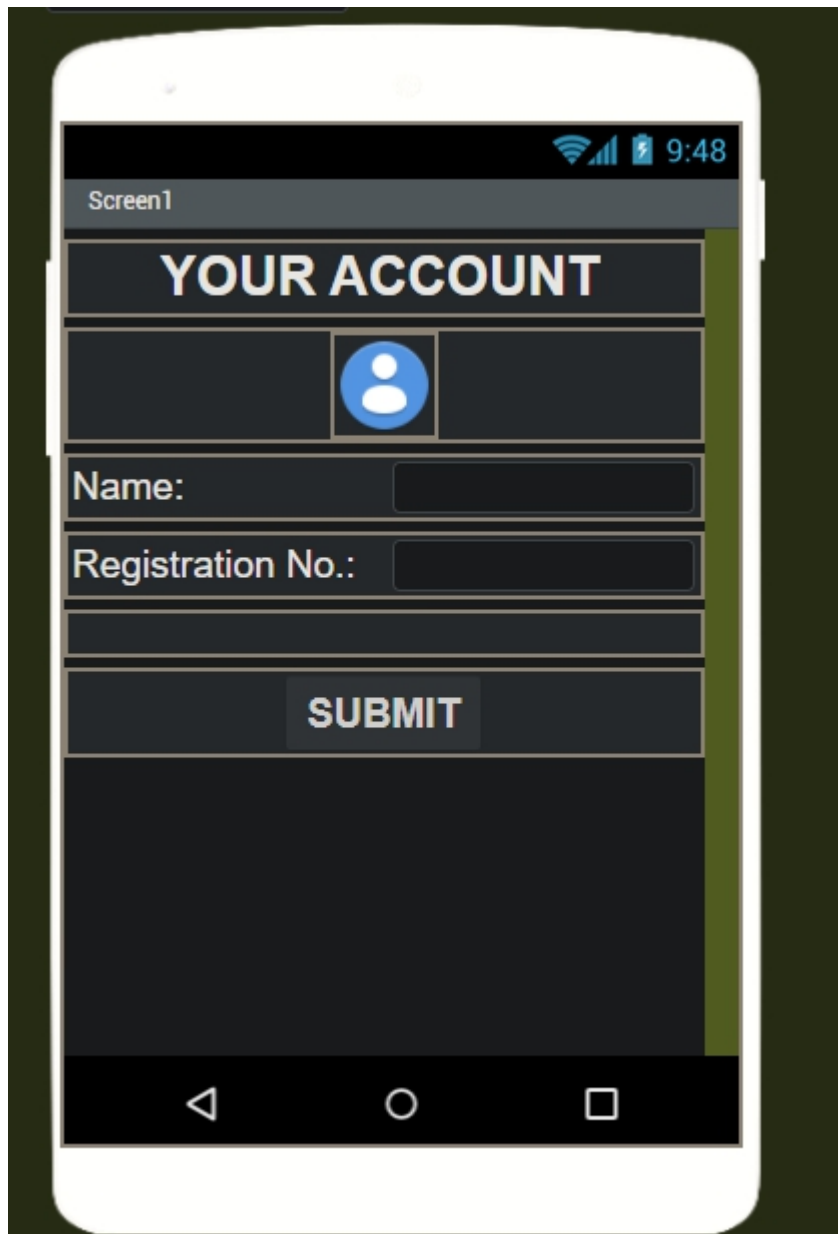
Develop a mobile application that takes the user input and sends it to IoT device (python code). print the received data in python shell.

Keep a text box to accept the user input.integrate a submit button.

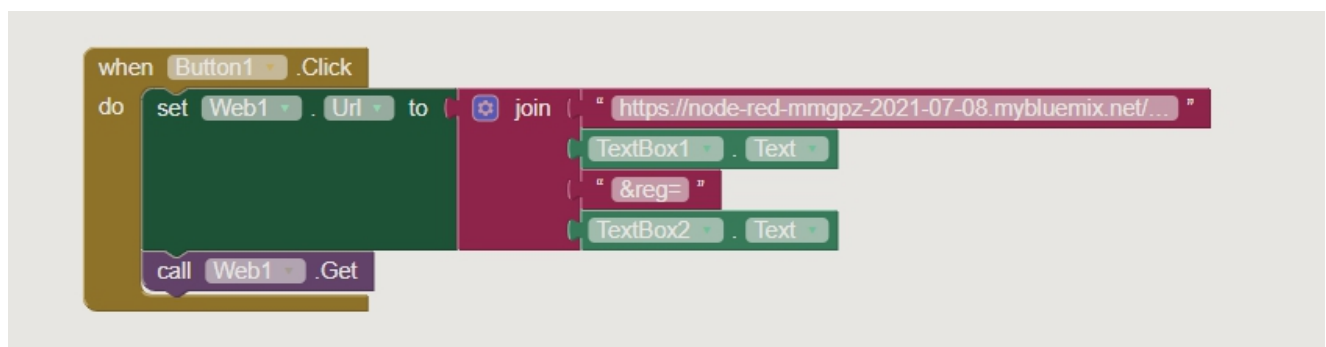
whenever user enters the text input in text box and clicks the button the data should be sent to IBM cloud using URL(HTTP API).

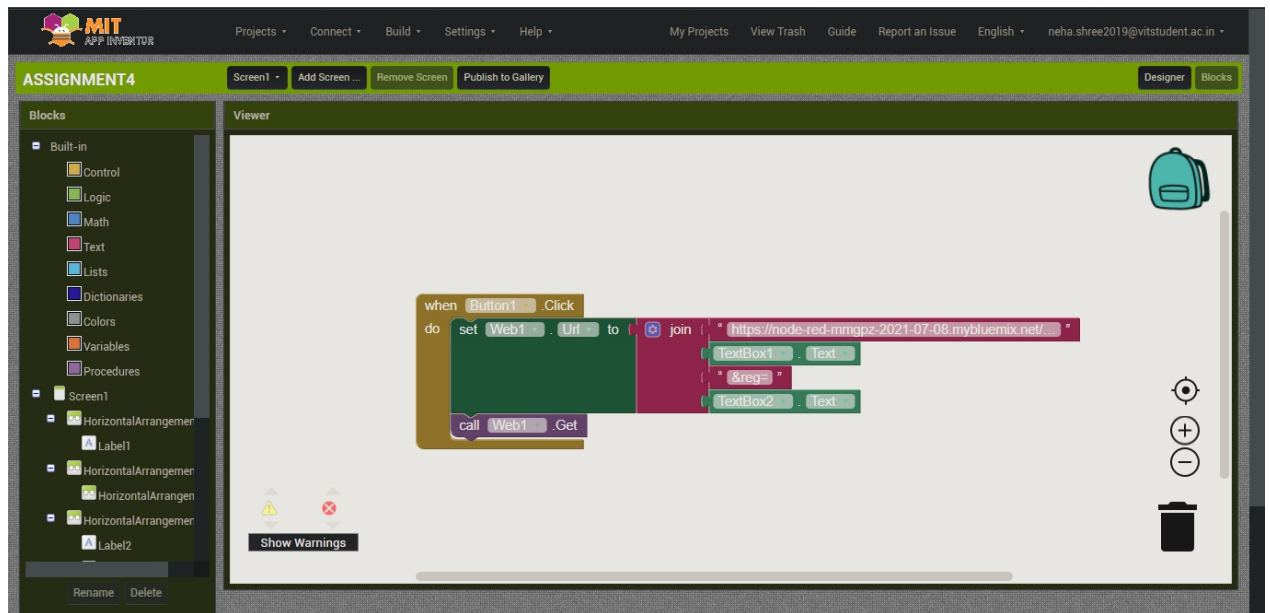
### Designer



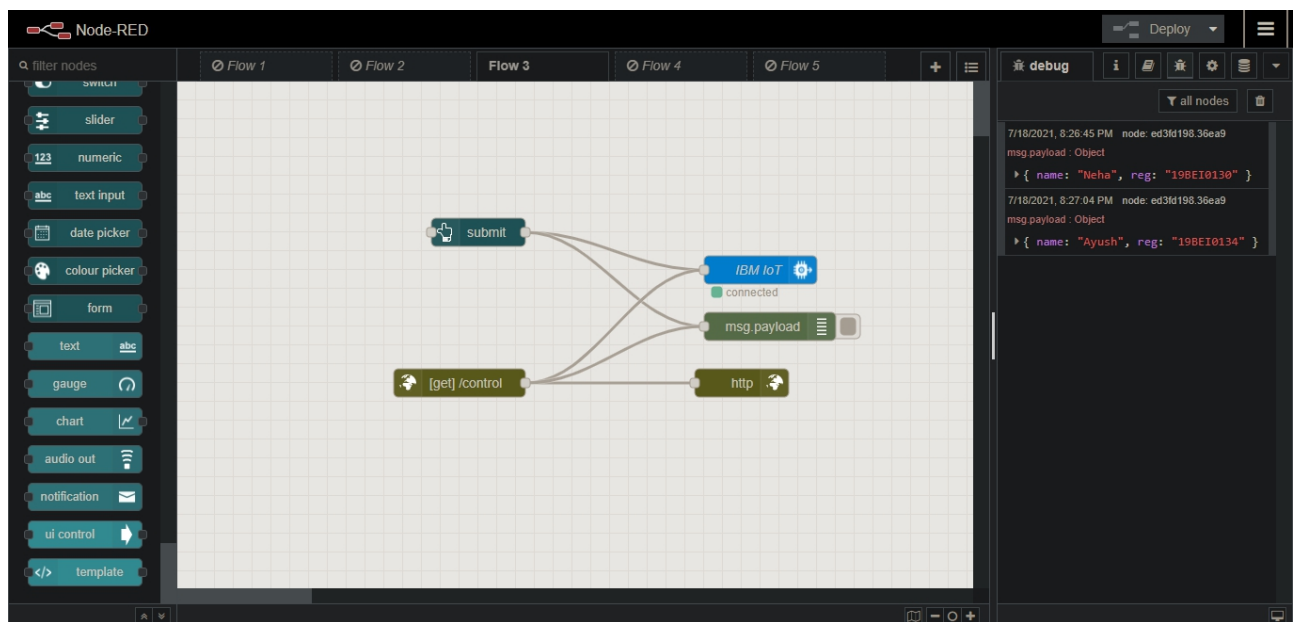


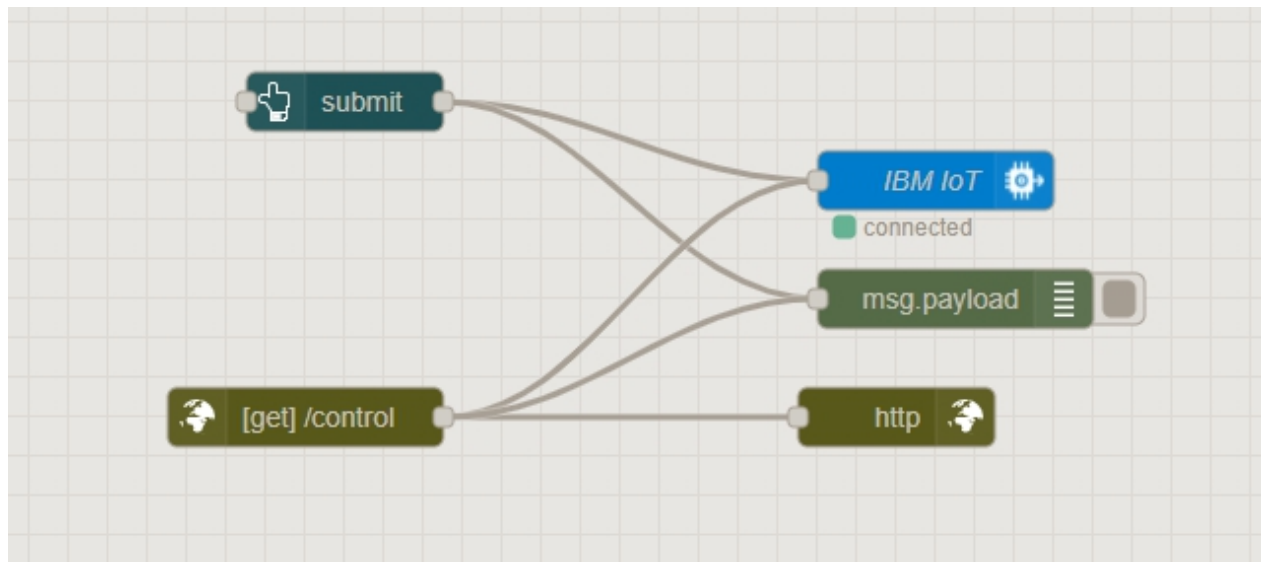
## Blocks





## Node Red





## Python Code

assignment4.py - C:\Users\Jiya\OneDrive\Desktop\IoT externship\assignment4.py (3.9.6)

File Edit Format Run Options Window Help

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "e8u8jp",
        "typeId": "VITdevice",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: Name is %s" % cmd.data['name'])
    print("Message received from IBM IoT Platform: Registration number is %s" % cmd.data['reg'])

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

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

```

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    time.sleep(2)
client.disconnect()


```

## Mobile Application

8:26   VoLTE    15% 

Screen1

# YOUR ACCOUNT



Name:

Registration No.:

**SUBMIT**

8:27



VOLTE



15%



Screen1

# YOUR ACCOUNT



Name:

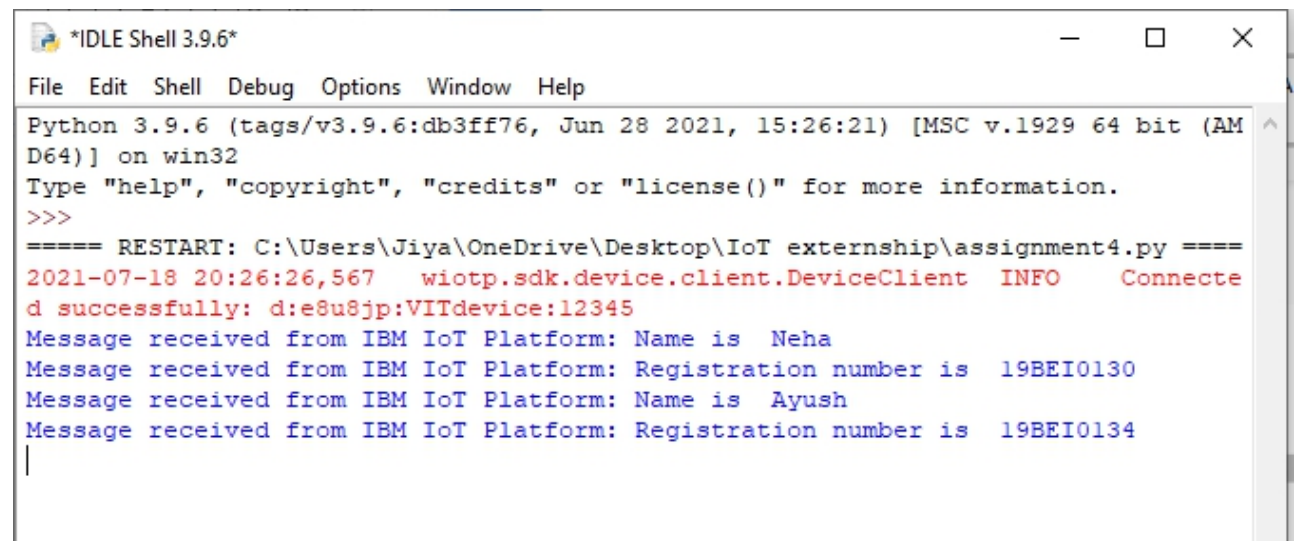
Ayush

Registration No.:

19BEI0134

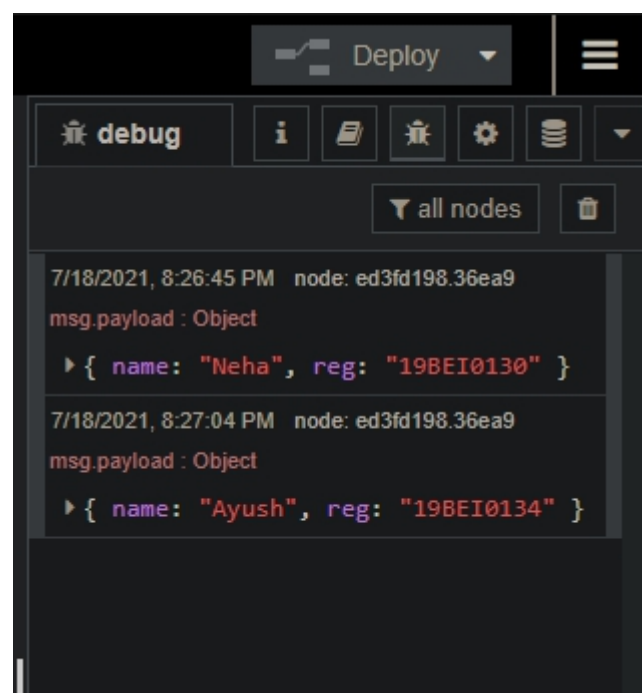
**SUBMIT**

## Python Shell



```
*IDLE Shell 3.9.6*
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\Jiya\OneDrive\Desktop\IoT externship\assignment4.py =====
2021-07-18 20:26:26,567 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:e8u8jp:VIITdevice:l2345
Message received from IBM IoT Platform: Name is Neha
Message received from IBM IoT Platform: Registration number is 19BEI0130
Message received from IBM IoT Platform: Name is Ayush
Message received from IBM IoT Platform: Registration number is 19BEI0134
|
```

Using URL(HTTP API),



```
Deploy
debug
i
all nodes
7/18/2021, 8:26:45 PM node: ed3fd198.36ea9
msg.payload : Object
  { name: "Neha", reg: "19BEI0130" }
7/18/2021, 8:27:04 PM node: ed3fd198.36ea9
msg.payload : Object
  { name: "Ayush", reg: "19BEI0134" }
```