

#### **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).

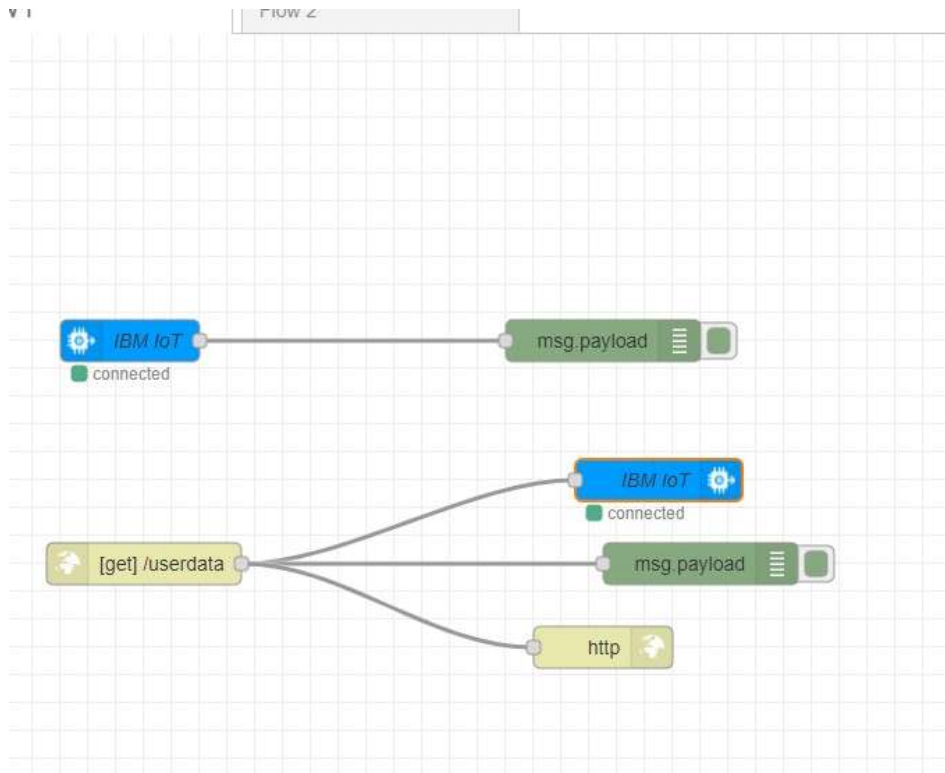
#### **Python code:**

```
import wiotp.sdk.device
import time
import random
myConfig = { "identity": { "orgId": "ewd3f5", "typeId": "iotdevice",
"deviceId":"0825" },
"auth": { "token": "SaiPavan13214" }

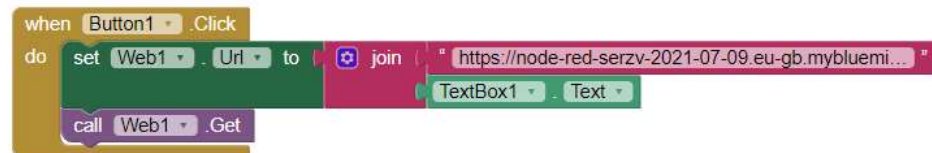
def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']

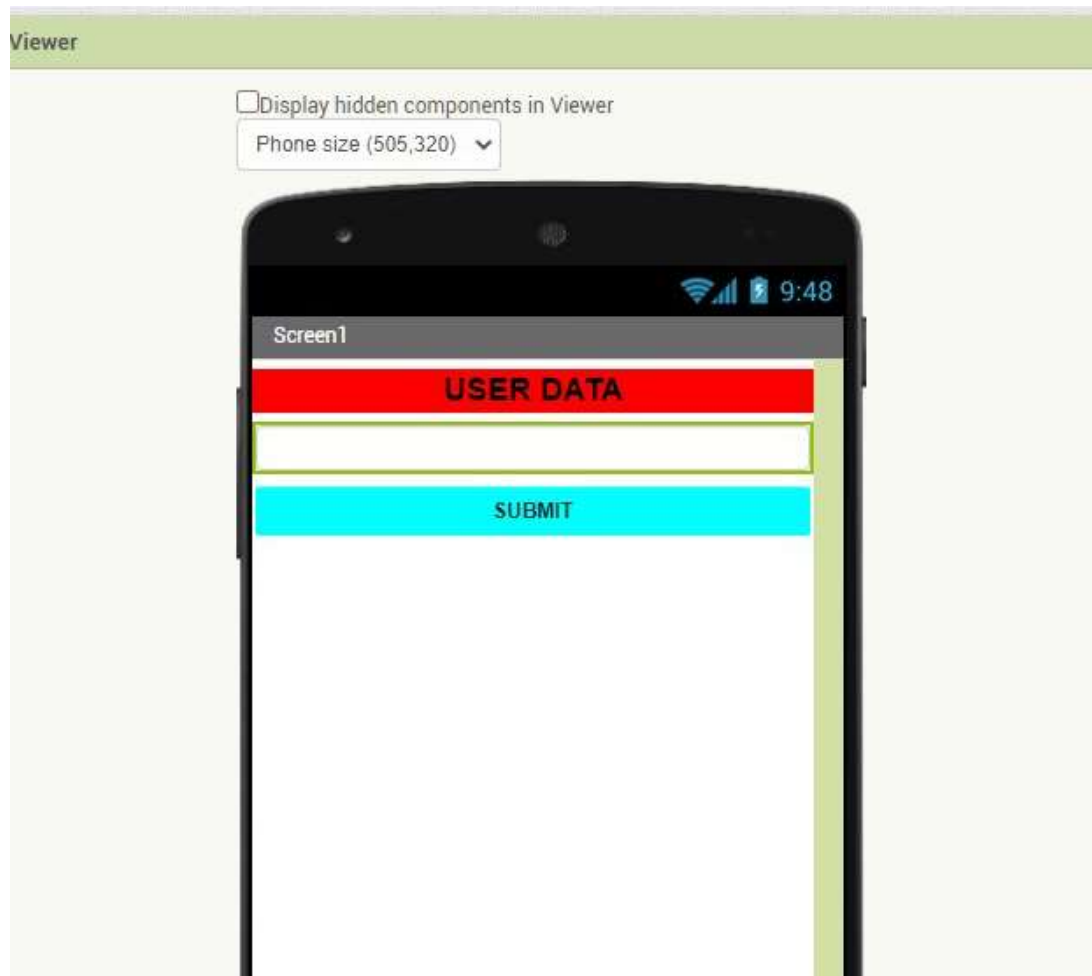
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

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



#### Viewer

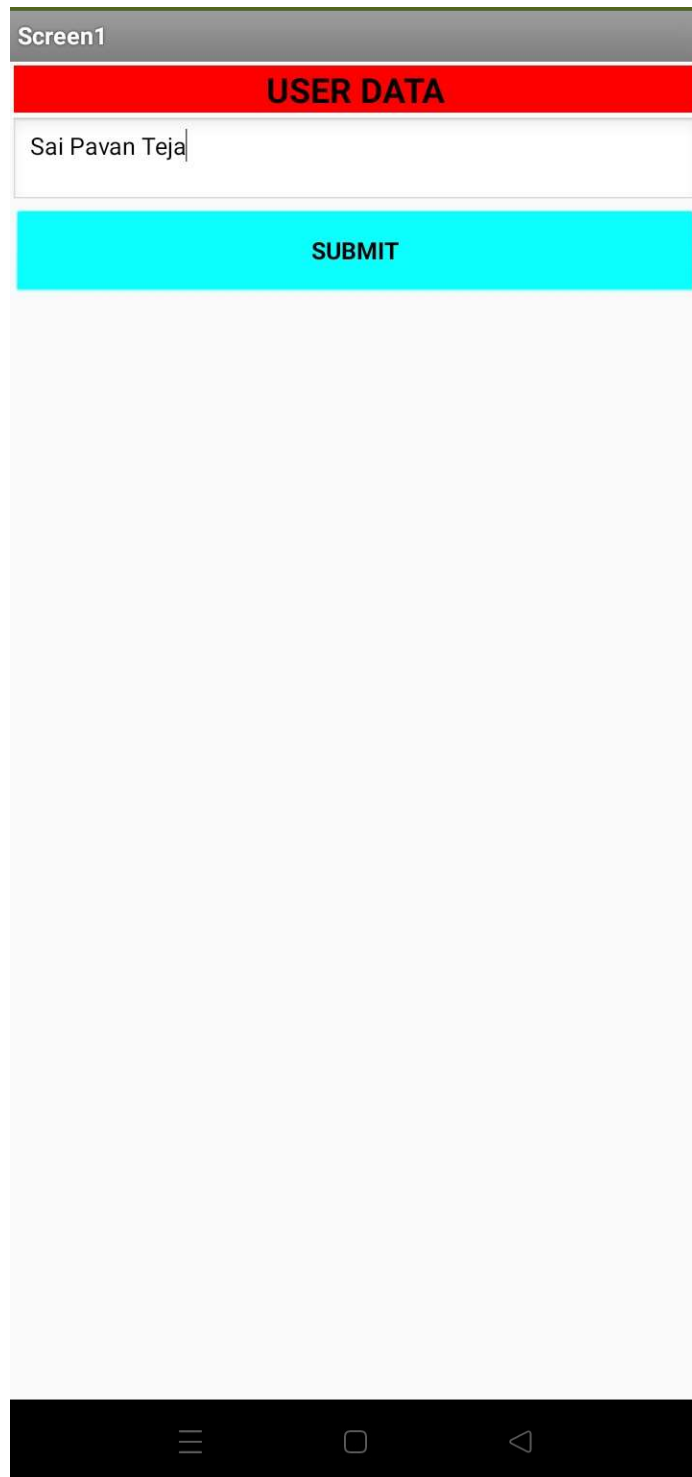




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## Output:



The screenshot displays a mobile application interface. At the top, a grey header bar contains the text "Screen1". Below this is a red bar with the text "USER DATA" in white. Underneath the red bar is a white text input field containing the text "Sai Pavan Teja". Below the input field is a cyan bar with the text "SUBMIT" in black. The main body of the screen is a large, empty white area. At the bottom, there is a black navigation bar with three white icons: a hamburger menu icon, a square icon, and a back arrow icon.