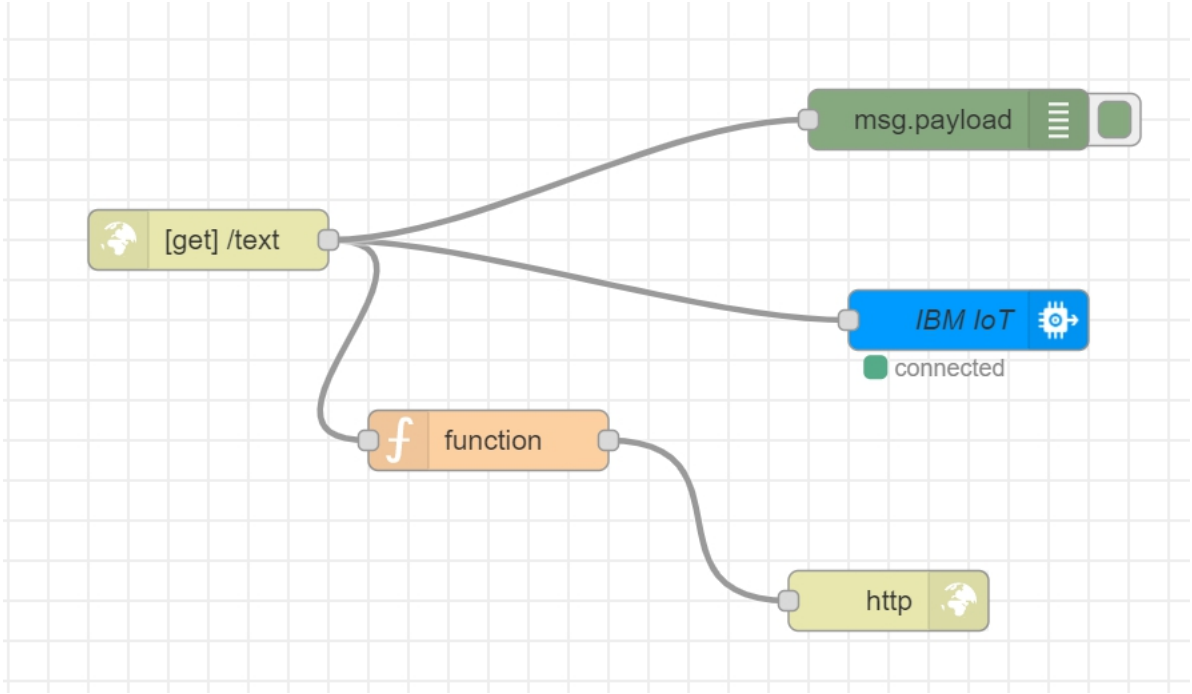
M.AKSHARA

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).

CIRCUIT



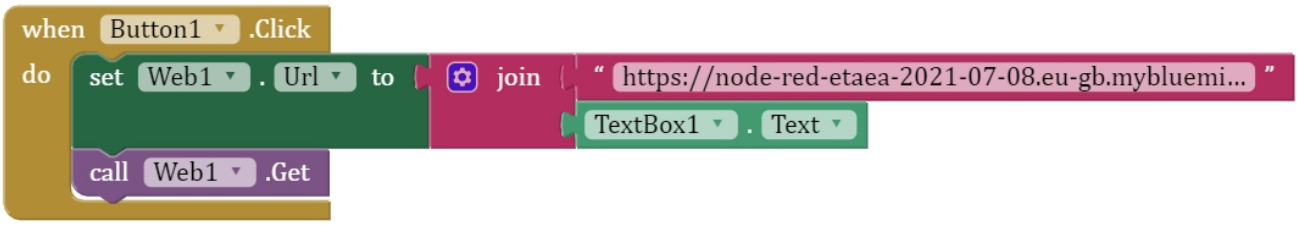
PYTHON CODE

```
import wiotp.sdk.device
import time
import random
myConfig = {
   "identity": {
      "orgId": "iyqgoe",
      "typeId": "AkshuDevice",
      "deviceId":"240602"
   },
   "auth": {
      "token": "240602291205"
   }
}

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

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

while True:
   client.commandCallback = myCommandCallback
```

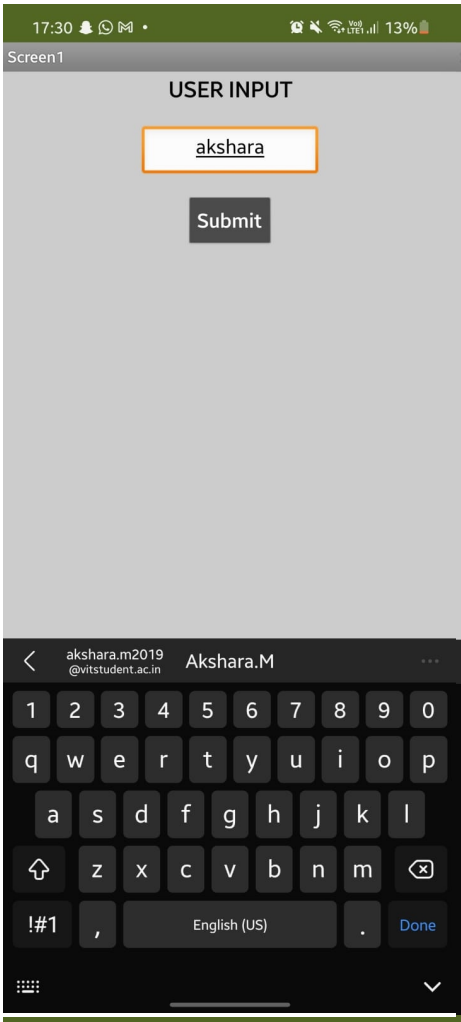
```
time.sleep(2)
client.disconnect()
```

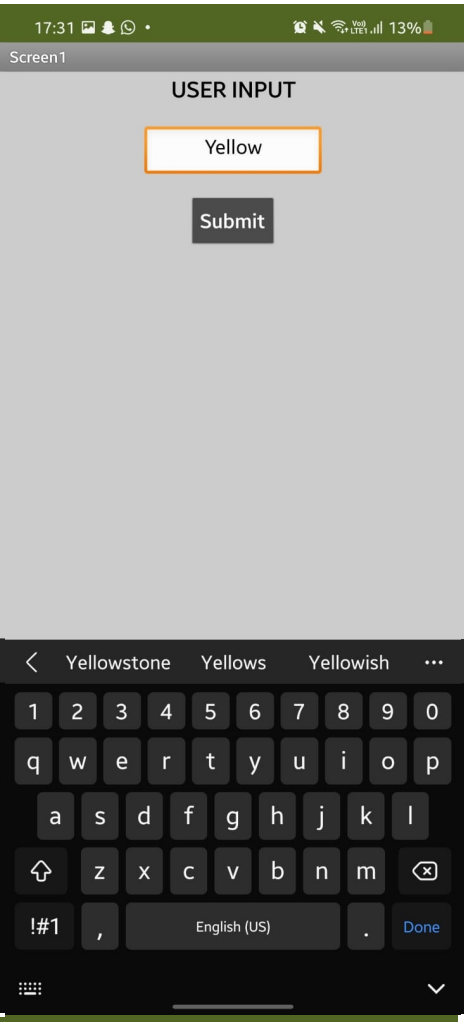
MIT APP INVENTOR

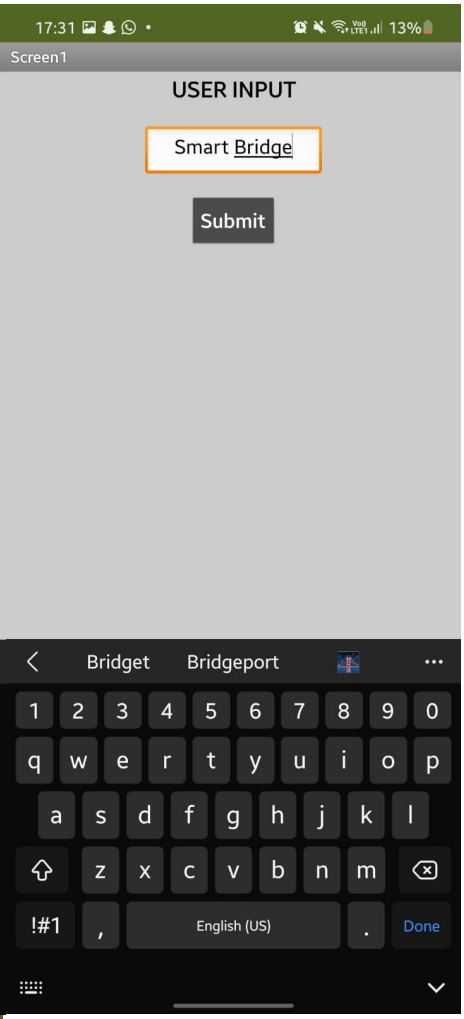
BACKEND

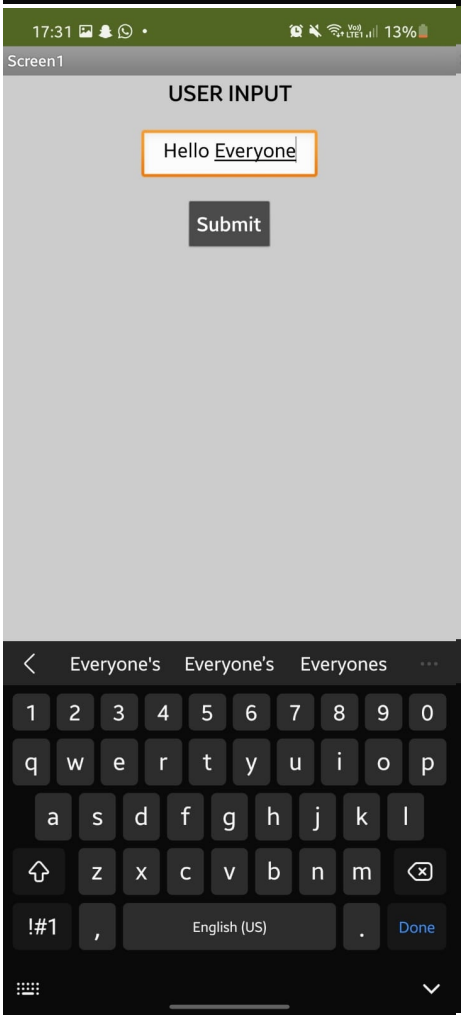


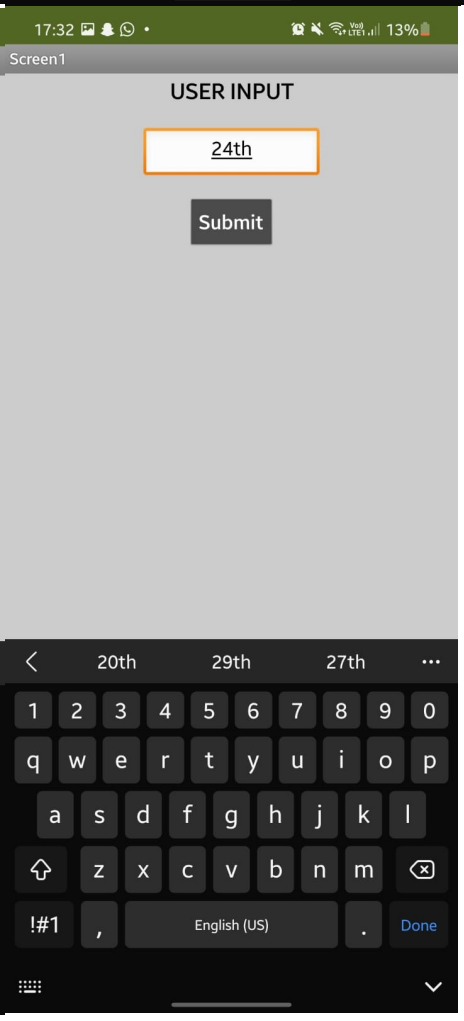
SCREENSHOT

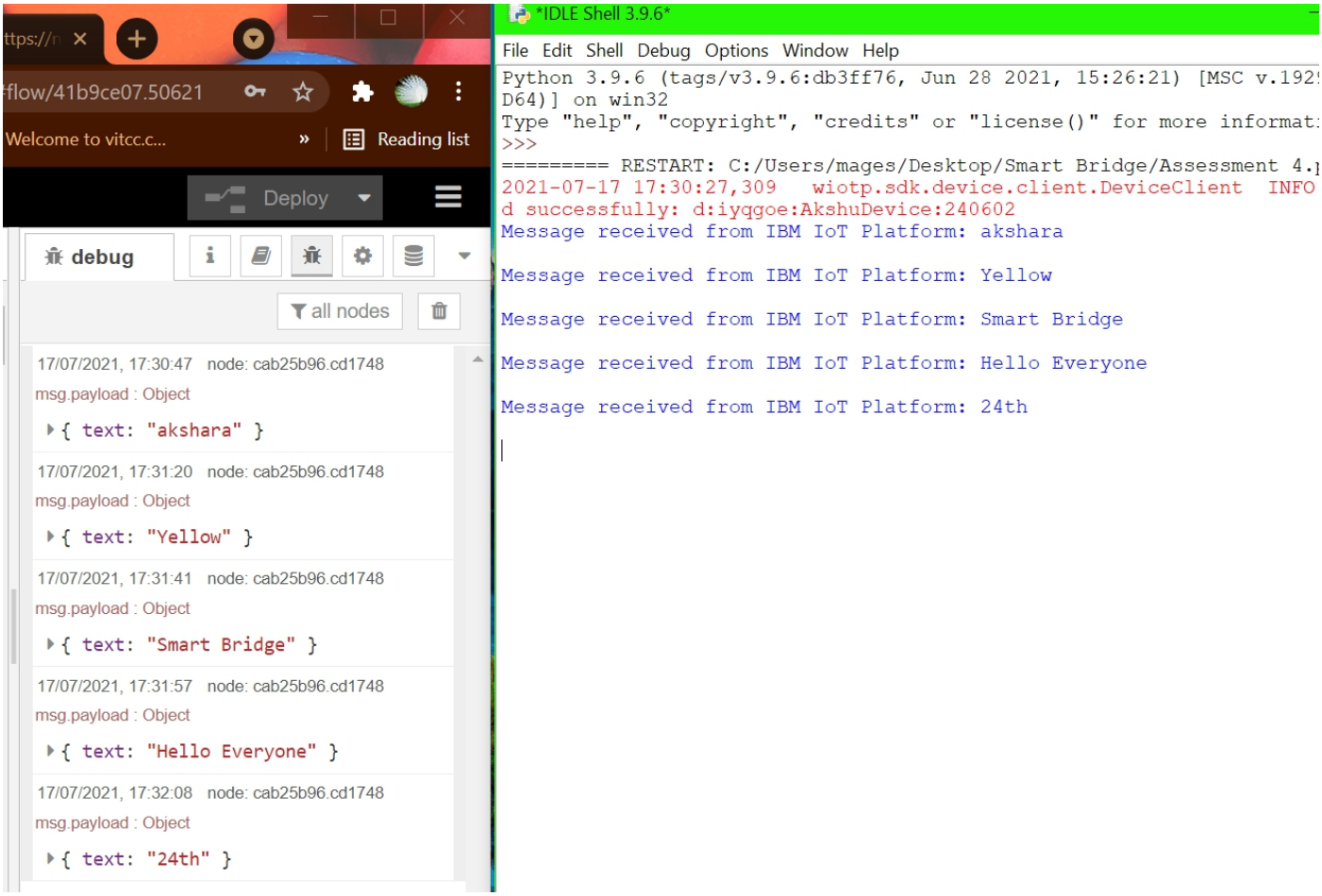

17:30
Screen1
USER INPUT
akshara
Submit
akshara.m2019
@vitstudent.ac.in
Akshara.M
English (US)
Done


17:31
Screen1
USER INPUT
Yellow
Submit
Yellowstone
Yellows
Yellowish
English (US)
Done


17:31
Screen1
USER INPUT
Smart Bridge
Submit
Bridget
Bridgeport
English (US)
Done


17:31
Screen1
USER INPUT
Hello Everyone
Submit
Everyone's
Everyone's
Everyones
English (US)
Done


17:32
Screen1
USER INPUT
24th
Submit
20th
29th
27th
English (US)
Done


ttps://n
flow/41b9ce07.50621
Welcome to vitcc.c...
Reading list
Deploy
debug
all nodes
17/07/2021, 17:30:47 node: cab25b96.cd1748
msg.payload : Object
{ text: "akshara" }
17/07/2021, 17:31:20 node: cab25b96.cd1748
msg.payload : Object
{ text: "Yellow" }
17/07/2021, 17:31:41 node: cab25b96.cd1748
msg.payload : Object
{ text: "Smart Bridge" }
17/07/2021, 17:31:57 node: cab25b96.cd1748
msg.payload : Object
{ text: "Hello Everyone" }
17/07/2021, 17:32:08 node: cab25b96.cd1748
msg.payload : Object
{ text: "24th" }
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.192
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more informat
>>>
========= RESTART: C:/Users/mages/Desktop/Smart Bridge/Assessment 4.
2021-07-17 17:30:27,309 wiotp.sdk.device.client.DeviceClient INFO
d successfully: d:iyqgoe:AkshuDevice:240602
Message received from IBM IoT Platform: akshara
Message received from IBM IoT Platform: Yellow
Message received from IBM IoT Platform: Smart Bridge
Message received from IBM IoT Platform: Hello Everyone
Message received from IBM IoT Platform: 24th