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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).

Software: IDLE , MIT & NODE RED APPS

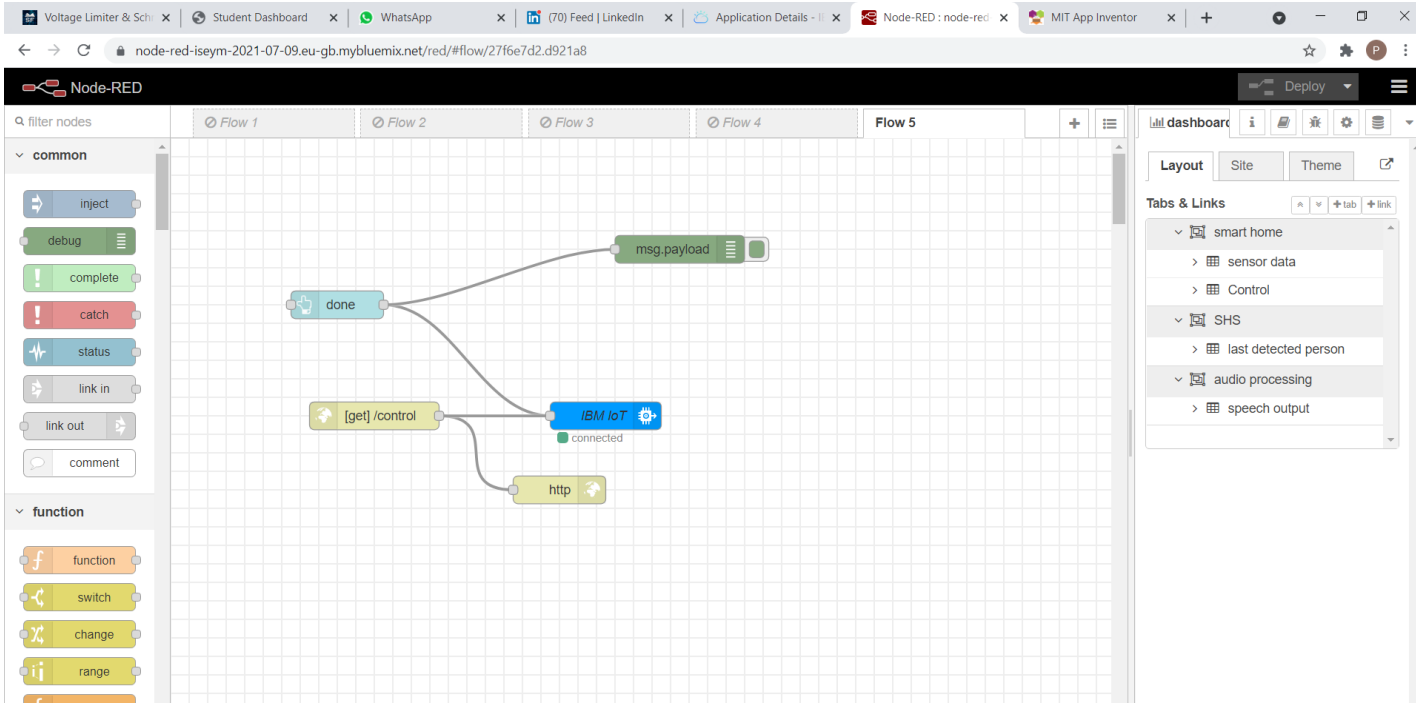
Code:

hkk.py - C:/Users/DELL/AppData/Local/Programs/Python/Python39/hkk.py (3.9.6)

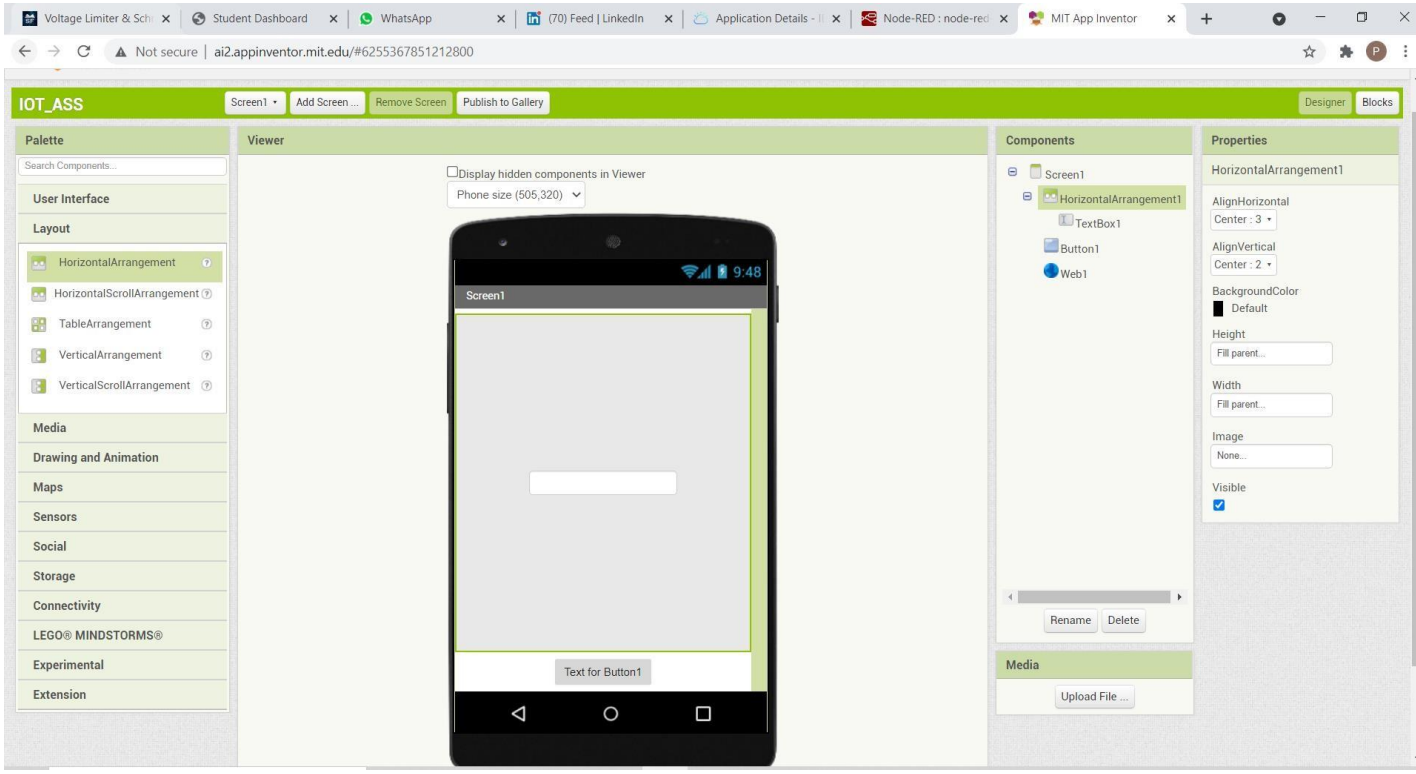
File Edit Format Run Options Window Help

```
import wiotp.sdk.device
import time
import random
myConfig = {
 "identity": {
 "orgId": "kj14w7",
 "typeId": "VITElectrical",
 "deviceId":"89510"
 },
 "auth": {
 "token": "128951045"
 }
}
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()
```

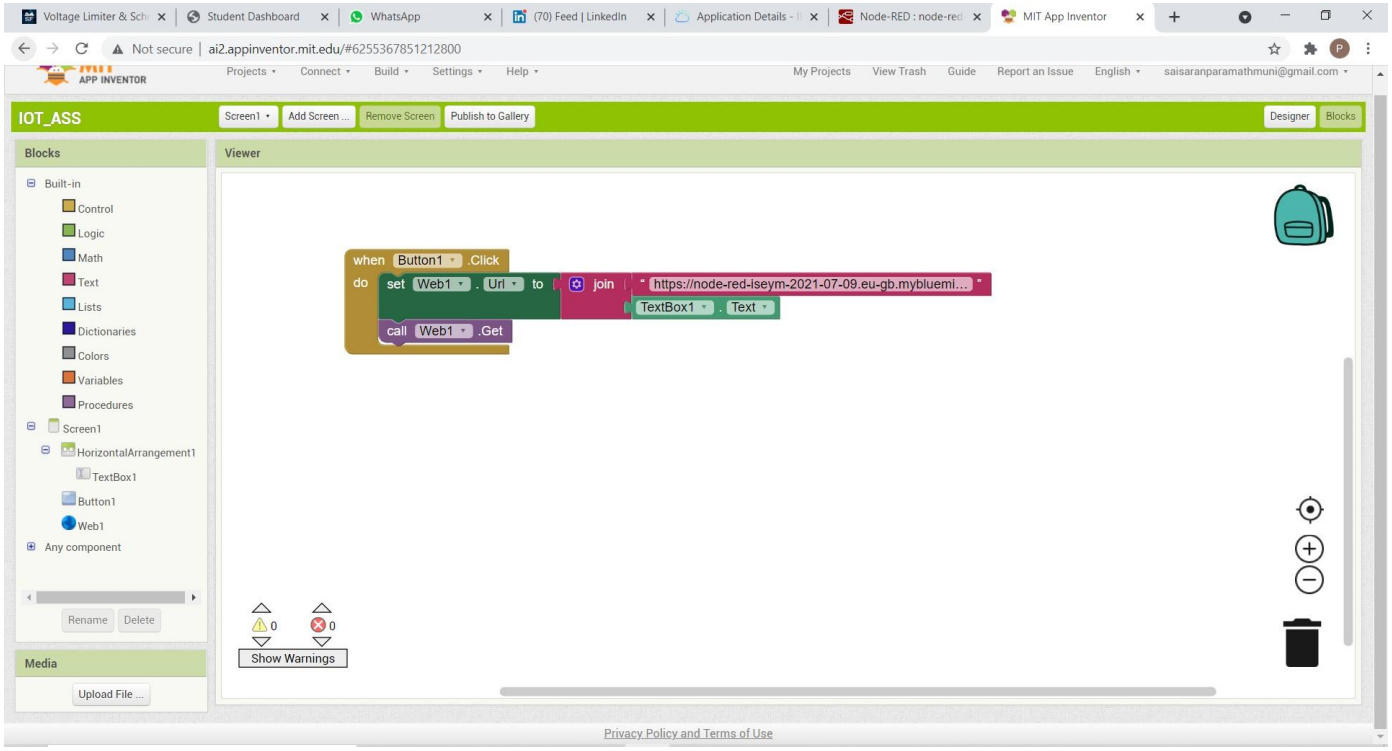
Node red:



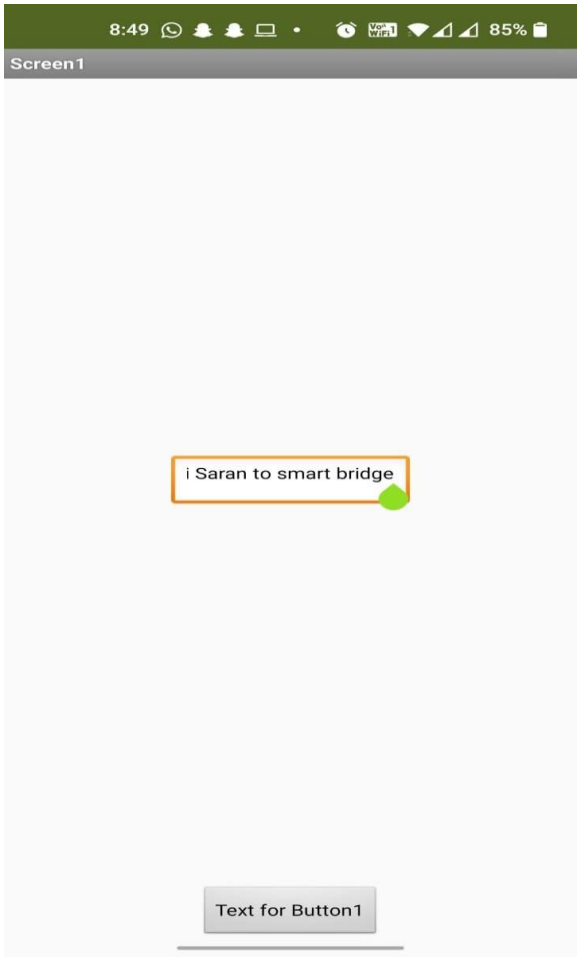
MIT APP:



Blocks:



After building the blocks we have to connect the web application to phone



We can view it in the python shell