ASSIGNMENT – 4

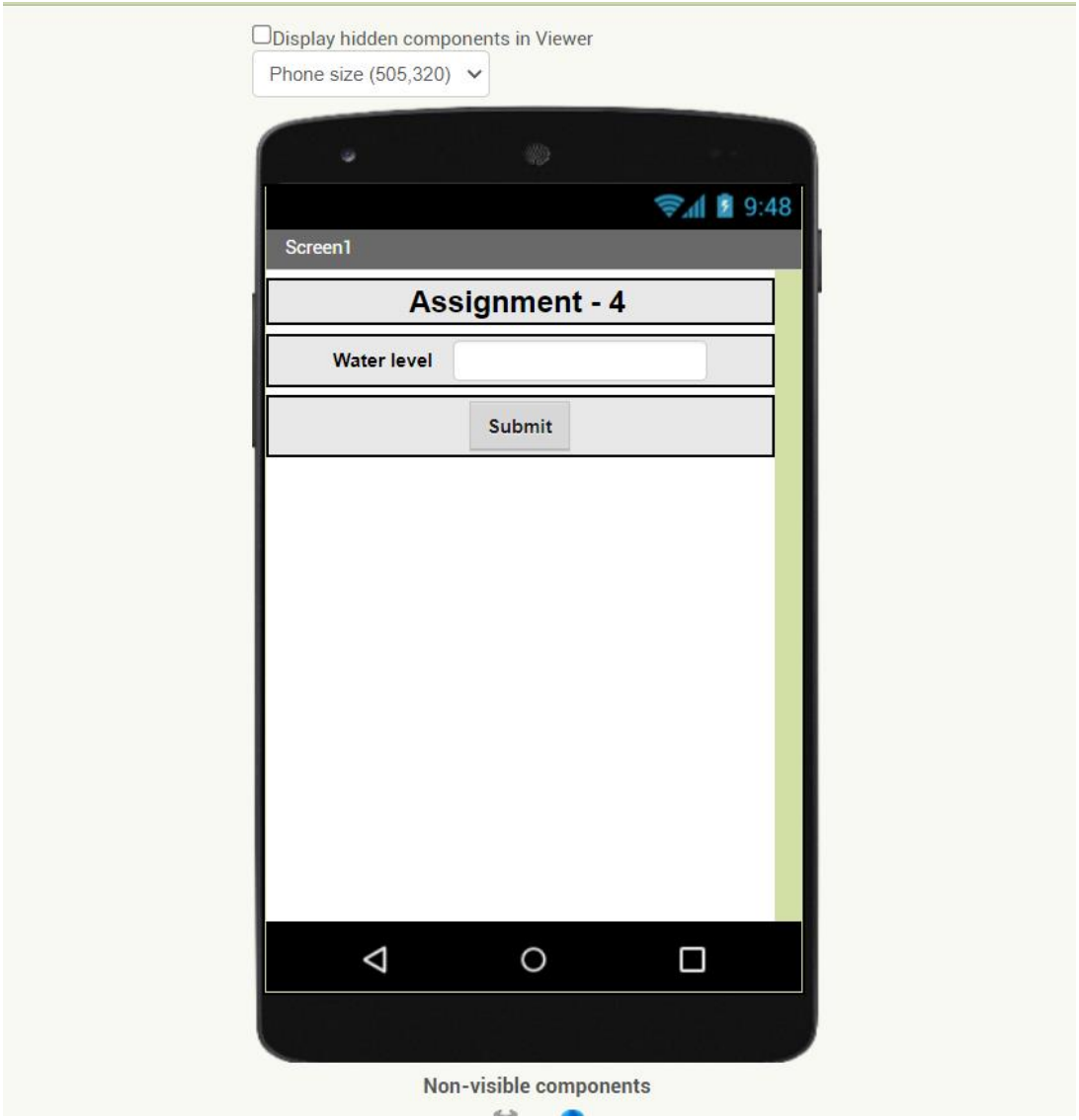
Problem: Develop a mobile application that takes the user input and sends it to IoT device (python code). print the received data in python shell.

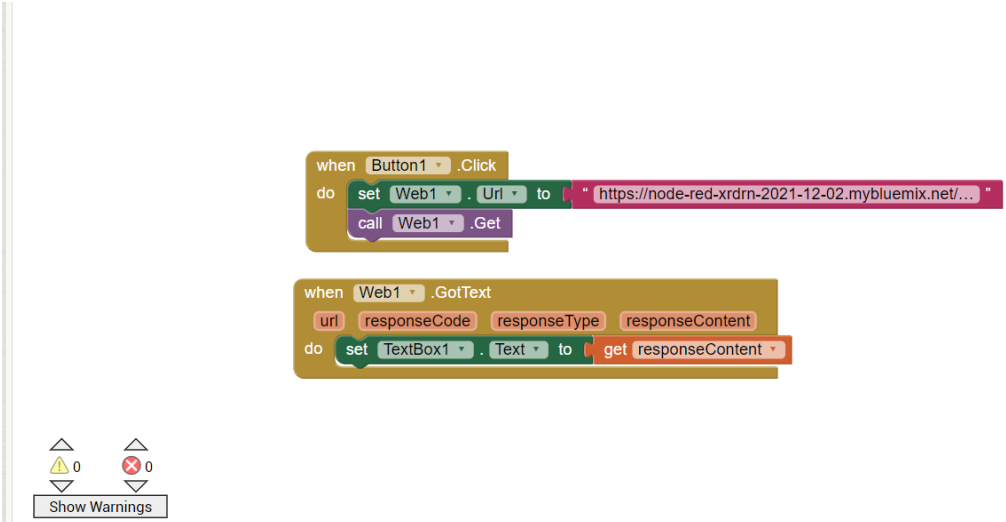
Code:

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "y9045l",
        "typeId": "mobile",
        "deviceId":"09876"
    },
    "auth": {
        "token": "12345678"
    }
}

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

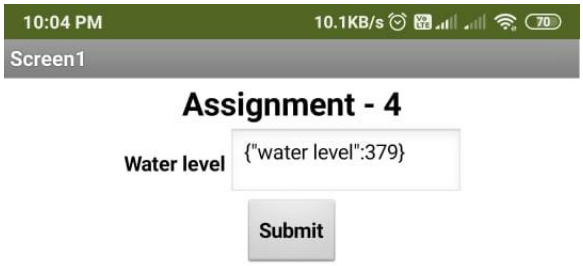
```
    m=cmd.data['command']
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()


while True:
    level=random.randint(0,500)
    myData={'waterlevel':level,}
    client.publishEvent(eventId="status", msgFormat="json", data=myData,
qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

Mobile App Interface:





Output:


10:04 PM
10.1KB/s
Screen1
Assignment - 4
Water level
{"water level":379}
Submit