

# IOT ASSIGNMENT 4

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**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()
```





