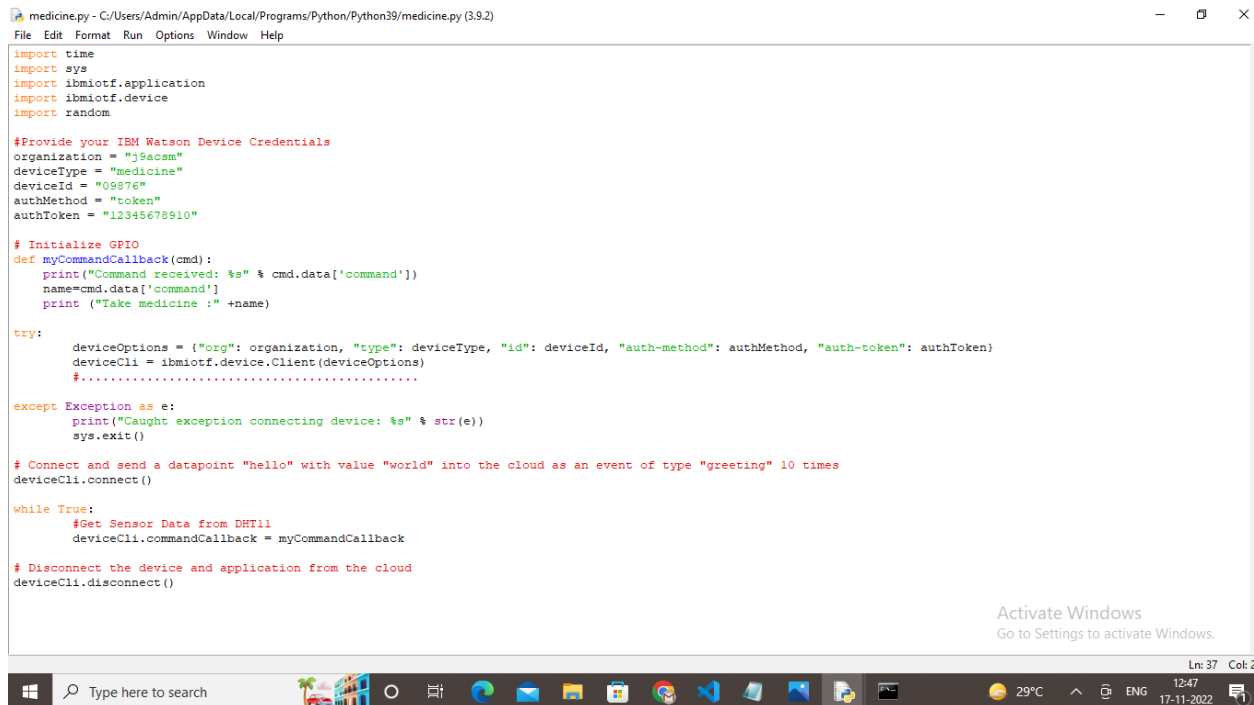


Project Development Phase Sprint 3

| | |
|--------------|---|
| Date | 16 November 2022 |
| Team ID | PNT2022TMID32584 |
| Project Name | Project – Personal Assistance for Seniors Who are Self Reliant. |

Python Script to receive data from Node-Red:



```
medicine.py - C:/Users/Admin/AppData/Local/Programs/Python/Python39/medicine.py (3.9.2)
File Edit Format Run Options Window Help

import time
import sys
import ibmiotf.application
import ibmiotf.device
import random

#Provide your IBM Watson Device Credentials
organization = "jsacsm"
deviceType = "medicine"
deviceId = "09876"
authMethod = "token"
authToken = "12345678910"

# Initialize GPIO
def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    name=cmd.data['command']
    print ("Take medicine :"+name)

try:
    deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod, "auth-token": authToken}
    deviceCli = ibmiotf.device.Client(deviceOptions)
    #.....

except Exception as e:
    print("Caught exception connecting device: %s" % str(e))
    sys.exit()

# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting" 10 times
deviceCli.connect()

while True:
    #Get Sensor Data from DHT11
    deviceCli.commandCallback = myCommandCallback

# Disconnect the device and application from the cloud
deviceCli.disconnect()
```

Activate Windows
Go to Settings to activate Windows.

Ln: 37 Col: 22

Windows taskbar: Type here to search, 29°C, 12:47, 17-11-2022

IDLE Shell 3.9.2

File Edit Shell Debug Options Window Help

```
Python 3.9.2 (tags/v3.9.2:1a79785, Feb 19 2021, 13:44:55) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
== RESTART: C:/Users/Admin/AppData/Local/Programs/Python/Python39/medicine.py ==
2022-11-17 12:46:41,771 ibmiotf.device.Client INFO Connected successfully: d:j9acsm:medicine:09876
|
```

Activate Windows
Go to Settings to activate Windows.

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29°C 12:47 17-11-2022 ENG

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← → ↻ j9acsm.internetofthings.ibmcloud.com/dashboard/devices/browse

chetanappriya4@gmail.com ID: j9acsm

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Add Device +

Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID Device Simulator 101

| | Device ID | Status | Device Type | Class ID | Date Added | Descriptive Location |
|---|-----------|--------------|-------------|----------|-------------------|----------------------|
| > | 09876 | Connected | medicine | Device | 16 Nov 2022 16:27 | |
| > | 12345 | Disconnected | iotdevice | Device | 7 Nov 2022 16:42 | |

Items per page 50 | 1-2 of 2 Items 1 of 1 page 1

1 Simulation running

27°C Mostly clear

Search

ENG IN

18:41 16-11-2022