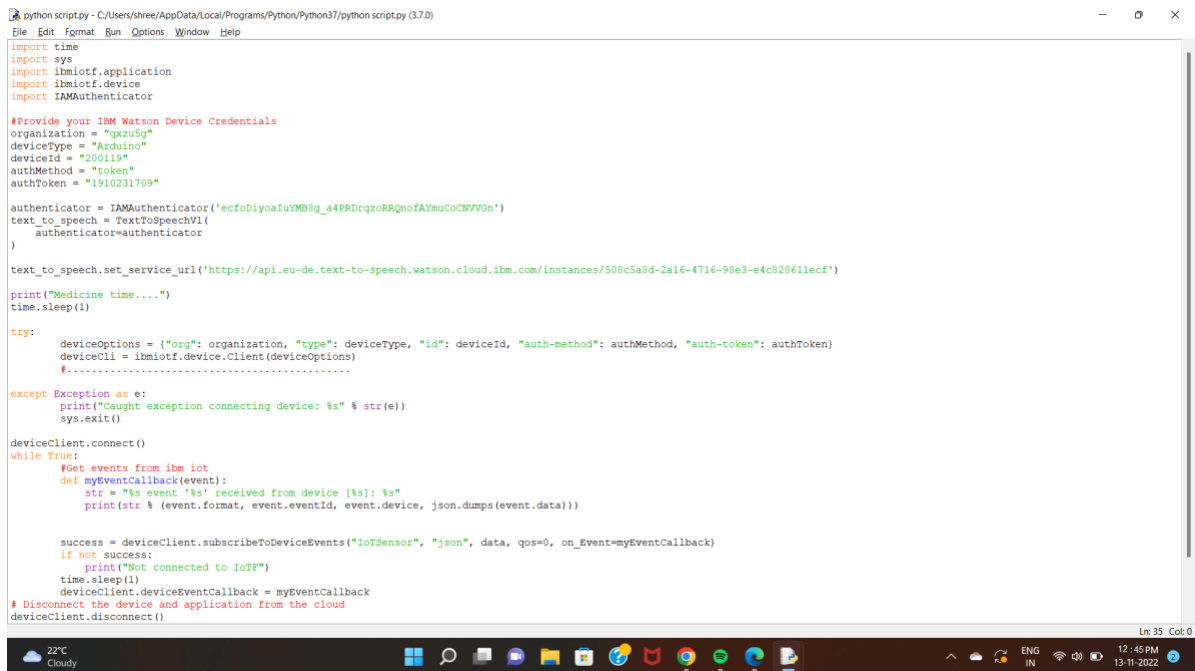


DEVELOP A PYTHON SCRIPT

Date	13 November 2022
Team ID	PNT2022TMID08180
Project Name	Personal Assistance for Seniors Who Are Self-Reliant
Maximum Marks	4 Marks

TO DEVELOP A PYTHON SCRIPT



```
python script.py - C:/Users/shree/AppData/Local/Programs/Python/Python37/python script.py (3.7.0)
File Edit Format Run Options Window Help

import time
import sys
import ibmiotf.application
import ibmiotf.device
import IAMAuthenticator

#Provide your IBM Watson Device Credentials
organization = "gxzu5g"
deviceType = "Arduino"
deviceId = "200119"
authMethod = "token"
authToken = "1910231709"

authenticator = IAMAuthenticator('ecfoDiyoaIuTMB8g_a4FRDrqzoRRQnofAYmuCoCNVVGn')
text_to_speech = TextToSpeechV1(
    authenticator=authenticator
)

text_to_speech.set_service_url('https://api.eu-de.text-to-speech.watson.cloud.ibm.com/instances/508c5a8d-2a16-4716-98e3-e4c820611ecf')

print("Medicine time....")
time.sleep(1)

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()

deviceClient.connect()
while True:
    #Get events from ibm iot
    def myEventCallback(event):
        str = "%s event '%s' received from device [%s]: %s"
        print(str % (event.format, event.eventId, event.device, json.dumps(event.data)))

    success = deviceClient.subscribeToDeviceEvents("IoTSensor", "json", data, qos=0, on_event=myEventCallback)
    if not success:
        print("Not connected to IoT")
        time.sleep(1)
    deviceClient.deviceEventCallback = myEventCallback
# Disconnect the device and application from the cloud
deviceClient.disconnect()
```

PYTHON SCRIPT HAS BEEN DEVELOPED SUCCESSFULLY