SPRINT-4

Team ID	PNT2022TMID06228
Project Name	Project – Personal Assistance for Seniors who are Self-Reliant
Maximum Marks	4 Marks

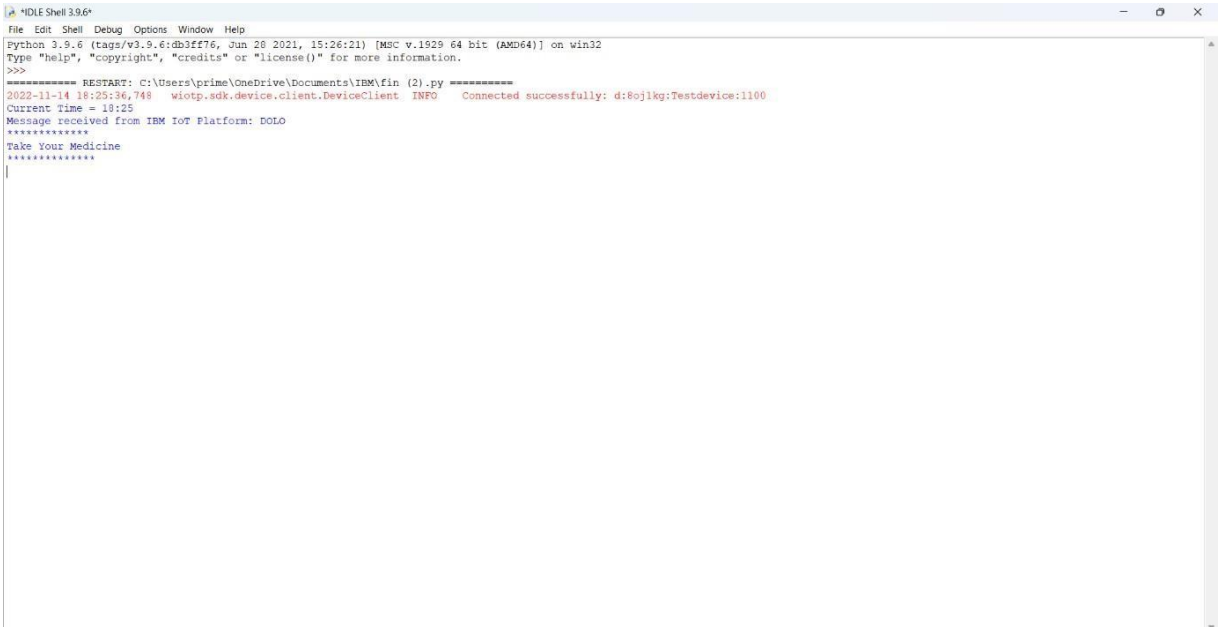
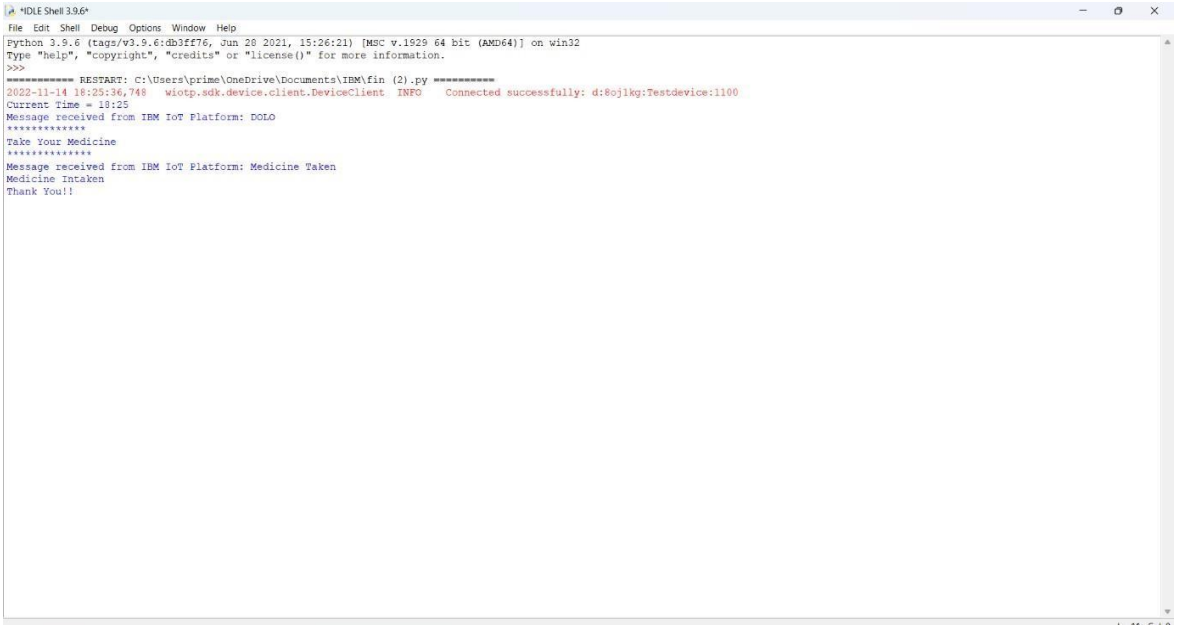
CASE:

To develop a python script to receive data from node-red by using IBM Watson IoT platform

INPUT:

```
import wiotp.sdk.device
import time
import random
import playsound
from datetime import datetime
from ibm_watson import TextToSpeechV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator
myConfig = {
   "identity":  {
      "orgId": "jwl2wf",
      "typeId": "SalmanDevice",
      "deviceId":"SalmanDevice_1"
   },
   "auth": {
      "token": "e3DwTZGGA1Y?0BD*s9"
   }
}
def myCommandCallback(cmd):
```

```
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']
    if(m=="Medicine Taken"):
       print("Medicine Intaken\nThank You!!")
    else:
        print("*****")
        print("Take Your Medicine")
        print("******")

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

authenticator = IAMAuthenticator('mc6GkVtcmmR8o5UlAk5-jhyvsmieCN8nhJ-Xc7awmRly')
text_to_speech = TextToSpeechV1(
    authenticator=authenticator
)

text_to_speech.set_service_url('https://api.eu-gb.text-to-
speech.watson.cloud.ibm.com/instances/2ff7f2d9-da46-4f46-bbda-fad6e9f83882')

now = datetime.now()
current_time = now.strftime("%H:%M")
print("Current Time =", current_time)

while True:
  with open('z.mp3','wb') as audio_file:
    audio_file.write(
        text_to_speech.synthesize(
            'take your respected medicine',
            voice='en-US_AllisonV3Voice',
```

```
        accept='audio/wav'
    ).get_result().content)
client.publishEvent(eventId="test", msgFormat="json", data="z.mp3", qos=0,
onPublish=None)
client.commandCallback = myCommandCallback
client.disconnect()
```

OUTPUTS: