**IOT GUIDED PROJECT:- Medicine Reminder For Elderly People Using IBM Cloud**

Python script:-

import wiotp.sdk.device

import time

import os

import datetime

from ibm\_watson import TextToSpeechV1

from ibmcloudant.cloudant\_v1 import CloudantV1

from ibm\_cloud\_sdk\_core.authenticators import IAMAuthenticator , BasicAuthenticator

import playsound

'''

authenticator = BasicAuthenticator('apikey-v2-34uhhlix6hcy13v2gisbh6vsiegrpl5wkwasyqmqnfl6', '7f517d7221399711c579625ed6d3e874')

service = CloudantV1(authenticator=authenticator)

[service.set\_service\_url('https://apikey-v2-34uhhlix6hcy13v2gisbh6vsiegrpl5wkwasyqmqnfl6:7f517d7221399711c579625ed6d3e874@ff20a5d8-f28e-4fa4-b046-473245d0e43f-bluemix.cloudantnosqldb.appdomain.cloud](mailto:service.set_service_url('https://apikey-v2-34uhhlix6hcy13v2gisbh6vsiegrpl5wkwasyqmqnfl6:7f517d7221399711c579625ed6d3e874@ff20a5d8-f28e-4fa4-b046-473245d0e43f-bluemix.cloudantnosqldb.appdomain.cloud)')'''

authenticator = IAMAuthenticator('kZsyz69sNctJRNFm7QxalUZ-setaah0drfP3s2tcXTr\_')

text\_to\_speech = TextToSpeechV1(

    authenticator=authenticator

)

text\_to\_speech.set\_service\_url('https://api.us-south.text-to-speech.watson.cloud.ibm.com/instances/a445e70c-f7f6-4625-8ced-2434293c320c')

myConfig = {

    "identity": {

        "orgId": "guuts5",

        "typeId": "Device",

        "deviceId":"123"

 },

    "auth": {

        "token": "123456789"

    }

}

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

client.connect()

def myCommandCallback(cmd):

    print("Message received fromIBM IoT Platform %s" % cmd.data['command'])

    m=cmd.data['command']

    with open('medicine.mp3', 'wb') as audio\_file:

        audio\_file.write(

            text\_to\_speech.synthesize(

                'You have to take'+m+'medicine now',

                voice='en-US\_AllisonV3Voice',

                accept='audio/mp3'

                ).get\_result().content)

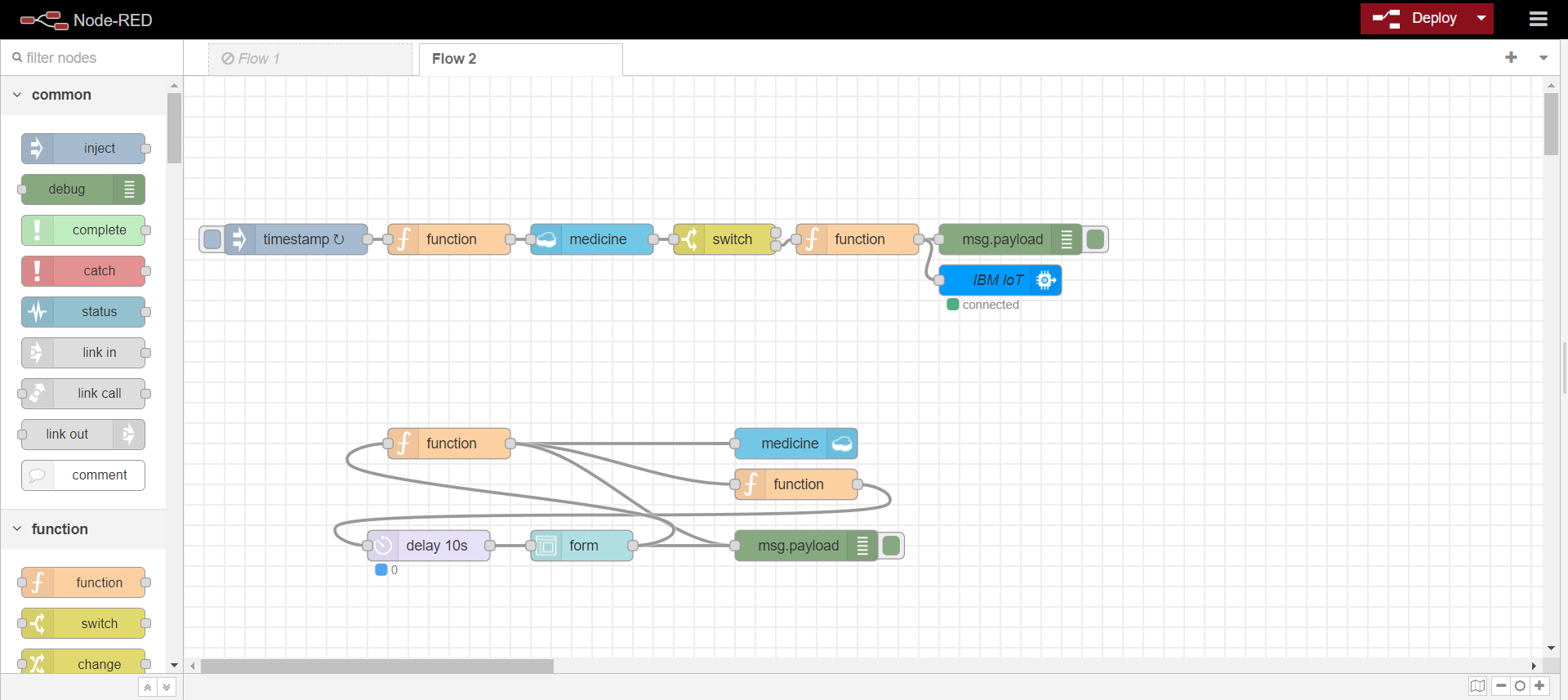
        os.remove('medicine.mp3')

        while True:

                client.commandCallback = myCommandCallback

                client.disconnect()

Node-red Function:-



Medicine Remainder UI Interface:-

