SOURCE CODE

TEAM ID: PNT2022TMID29933

TOPIC: PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF RELIANT

CODE:

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



#Provide your IBM Watson Device Credentials
organization = "ts2p3l"
deviceType = "medicine1-device_type."
deviceId = "PNT2022TMID29933-Medicine"
authMethod = "token"
authToken = "lq!RGKJdXNRjtvm0x2"


# Initialize GPIO



def myCommandCallback(cmd):
   print("Command received: %s" % cmd.data['command'])
   status=cmd.data['command']
   if status=="lighton":
      print ("led is on")
```

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   else :
      print ("led is off")

   #print(cmd)




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()




for i in range(0,1000):
```

```
    tablet=["Paracetamol","Aspirine","Azithral","Asthalin","Sinarest"]
    medicinetime=[12.00,1.00,2.00,3.00,5.00,18.00,20.00,7.00]
    name = "mani"
    medicine=random.choice(tablet)
    medicinetime=random.choice(medicinetime)
    mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time': medicinetime}
    def myOnPublishCallback():
        mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time': medicinetime}
        print("Data published to IBM IOT platform :" ,mydata)
    success = deviceCli.publishEvent("IoTSensor", "json", mydata, qos=0,
on_publish=myOnPublishCallback)

    if not success:
        print("Not connected to IoTF")
    time.sleep(1)

    deviceCli.commandCallback = myCommandCallback

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