## **CODE LAYOUT, READABILITY, REUSABILTY**

Date	19 November 2022
Team ID	PNT2022TMID21355
Project Name	Project - Personal Assistance for Seniors Who Are Self-Reliant

The code is readable and it is separated into functions so that can be reused. CODE: import time import sys import ibmiotf.application import ibmiotf.device import random #Provide your IBM Watson Device Credentials organization = "dan4dl" deviceType = "raspberrypi" deviceId = "23456" authMethod = "token" authToken = "8989898989" 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:
    for i in range(0,20):
        tablet=["Paracetamol","Aspirine","Azithral","Asthalin","Sinarest"]
medicinetime=[12.00,1.00,2.00,3.00,5.00,18.00,20.00,7.00]
medicine=random.choice(tablet)
                                 medicinetime=random.choice(medicinetime)
        name="rekha"
        mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time': medicinetime}
        #print data
        def myOnPublishCallback():
          print ("Published name = %s " % name, "Medicine name = %s" % medicine, "Medicine
time = %s" % medicinetime, "to IBM Watson")
        success = deviceCli.publishEvent("IoTSensor", "json", mydata, qos=0,
on_publish=myOnPublishCallback)
        if not success:
             print("Not connected to IoTF")
time.sleep(1)
time.sleep(5)
# Disconnect the device and application from the cloud deviceCli.disconnect()
```

## **CODE SNAPSHOT:**

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## **OUTPUT:**



## **IOT PLATFORM OUTPUT:**

