Sprint - 3

Device Simulation 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()
```