**PROJECT CODE**

import wiotp.sdk.device

import time

import random

import sys

import string

myConfig = {

"identity": {

"orgId": "3f5ddu",

"typeId": "iotdevice",

"deviceId":"2001"

},

"auth": {

"token": "Sindhu@27"

}

}

def myCommandCallback(cmd):

print("Message received from IBM IoT Platform: %s" %

cmd.data['command'])

m=cmd.data['command']

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

client.connect()

for i in range(1,10):

name=input("Enter the name :");

amount= 100

while True:

liter\_rate= 2

waterquantity=random.randint(0,10)

amountdetection = waterquantity \* liter\_rate;

cost = amount - amountdetection

amount = cost

if(cost > 0):

myData={'name':name,

'cost':amountdetection,'waterquantity':waterquantity,'amount left':cost}

client.publishEvent(eventId="status", msgFormat="json", data=myData,

qos=0, onPublish=None)

print("Published data Successfully: %s", myData)

client.commandCallback = myCommandCallback

time.sleep(2)

else:

myData={'Insuffient fund'}

#client.publishEvent(eventId="status", msgFormat="json",

data=myData, qos=0, onPublish=None)

print("Published data Successfully: %s", myData)

break

client.commandCallback = myCommandCallback

time.sleep(2)

client.disconnect()