Date	2nd november 2022
Team ID	PNT2022TMID13132
Project Name	Real-time River Water Quality Monitoring System
Maximum Marks	2 Marks

Develop a python code for publishing random sensor data to the IBM IoT Platform:

import wiotp.sdk.device import time import os import datetime import random

myConfig = {

"identity": {

"orgId": "hjSfmy",

"typeId":"NodeMCU

", "deviceId":"12345"

},

"auth": {

"token": "12345678"

}

}

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

```
def myCommandCallback (cmd) : print ("Message received from IBM IoT Platform: %s" %
cmd.data['command']) m=cmd.data['command'] if (m=="motoron"): print ("Motor is switched on")
elif (m=="motoroff"):
print ("Motor is switched OFF")
print (" ")
while True: sen=random.randint (0,100) temp=random.randint (-20, 125) hum=random.randint (0,
100)
myData={'sensor value ': sen,'temperature':temp, 'humidity':hum}
client.publishEvent (eventId="status", msgFormat="json", data=myData, qos=0 , onPublish=None)
print ("Published data Successfully: %s", myData) time.sleep (2)
client.commandCallback = myCommandCallback client.disconnect ()
```

Thus the assigned task for developing a python code for publishing random Sensor data to the ibm iot platform is completed successfully