REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

TEAM ID : PNT2022TMID06942

TEAM LEADER : VINUPRIYA K P

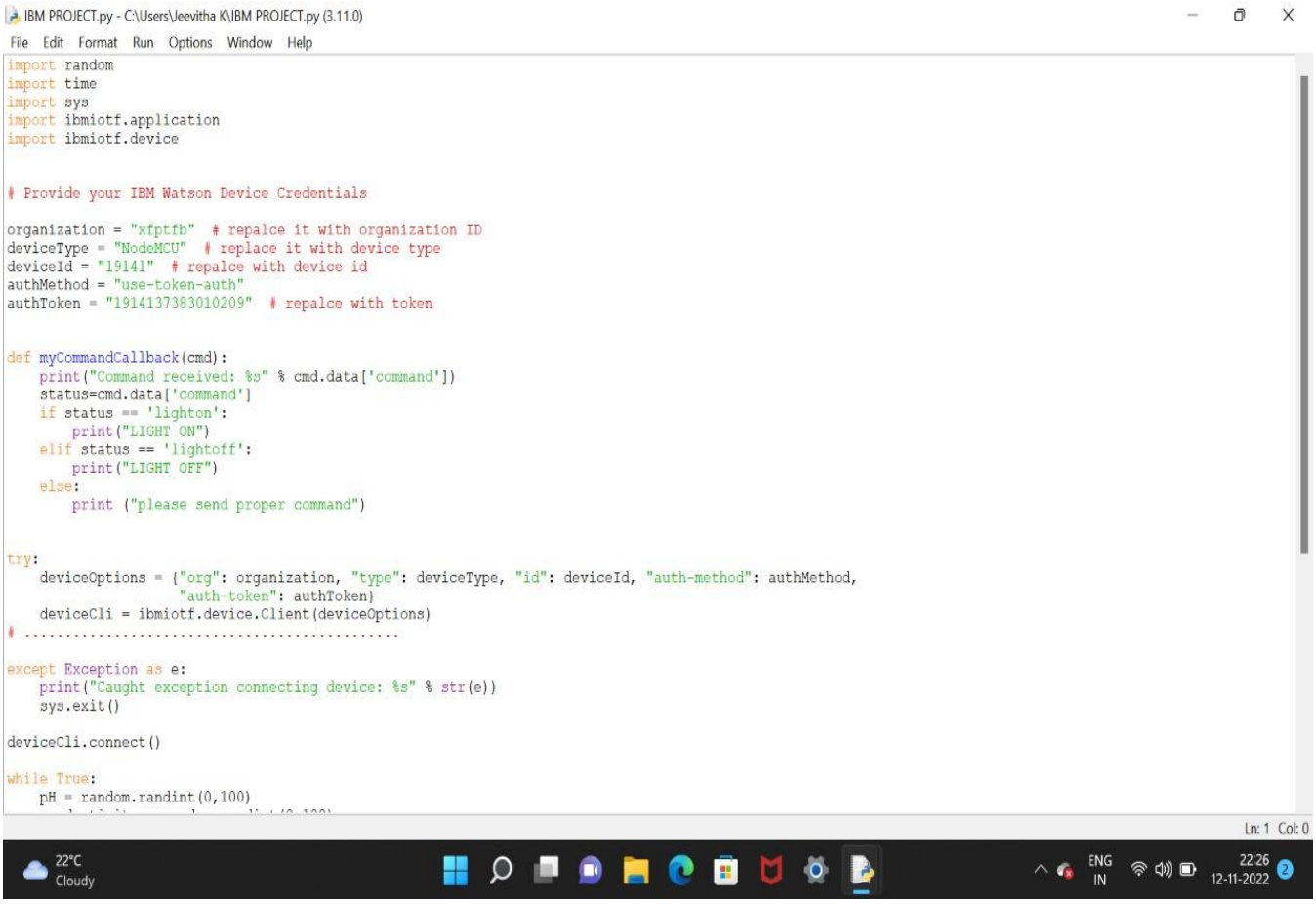
TEAM MEMBERS : VISHNU PRIYA E

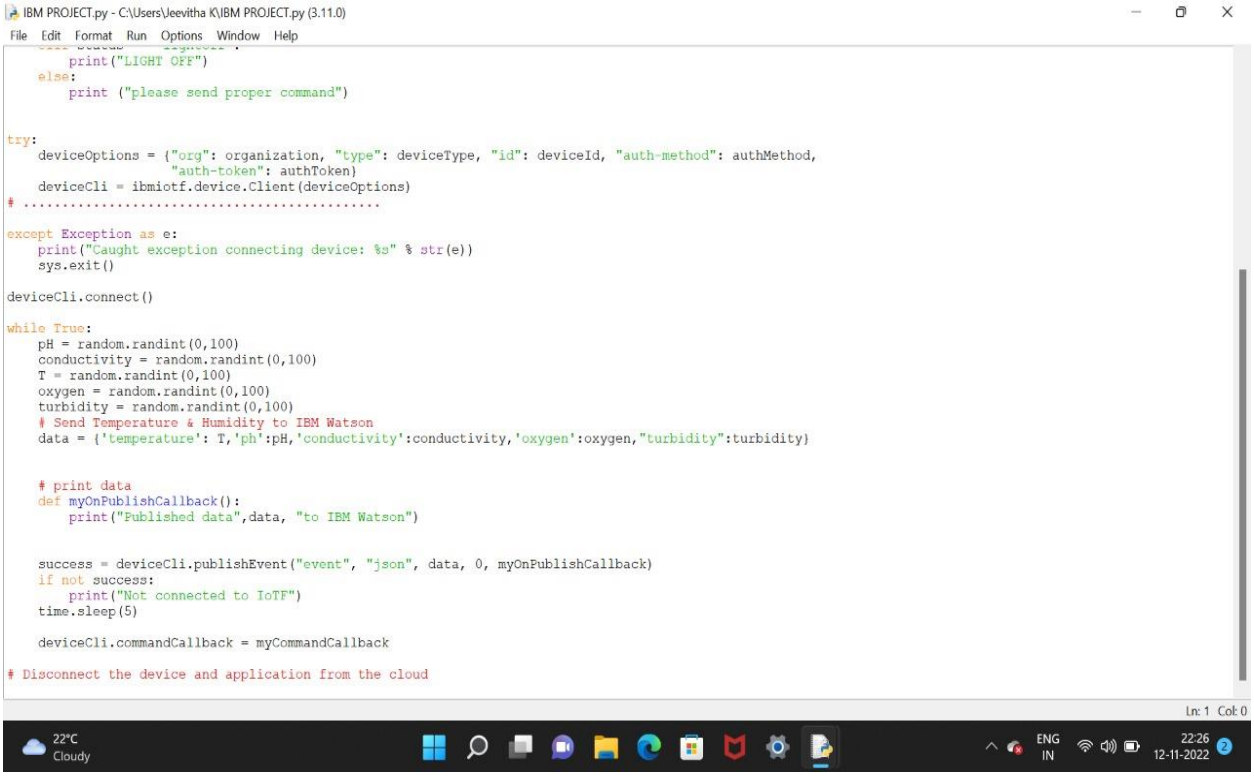
ANNE SHIFANA S R

JEEVITHA K

MONISHA R

PYTHON CODE




IBM PROJECT.py - C:\Users\Jeevitha K\IBM PROJECT.py (3.11.0)
File Edit Format Run Options Window Help
print("LIGHT OFF")
else:
print ("please send proper command")
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()
deviceCli.connect()
while True:
pH = random.randint(0,100)
conductivity = random.randint(0,100)
T = random.randint(0,100)
oxygen = random.randint(0,100)
turbidity = random.randint(0,100)
# Send Temperature & Humidity to IBM Watson
data = {'temperature': T,'ph':pH,'conductivity':conductivity,'oxygen':oxygen,"turbidity":turbidity}
# print data
def myOnPublishCallback():
print("Published data",data, "to IBM Watson")
success = deviceCli.publishEvent("event", "json", data, 0, myOnPublishCallback)
if not success:
print("Not connected to IoTF")
time.sleep(5)
deviceCli.commandCallback = myCommandCallback
# Disconnect the device and application from the cloud
Ln: 1 Col: 0
22°C
Cloudy
ENG
IN
22:26
12-11-2022