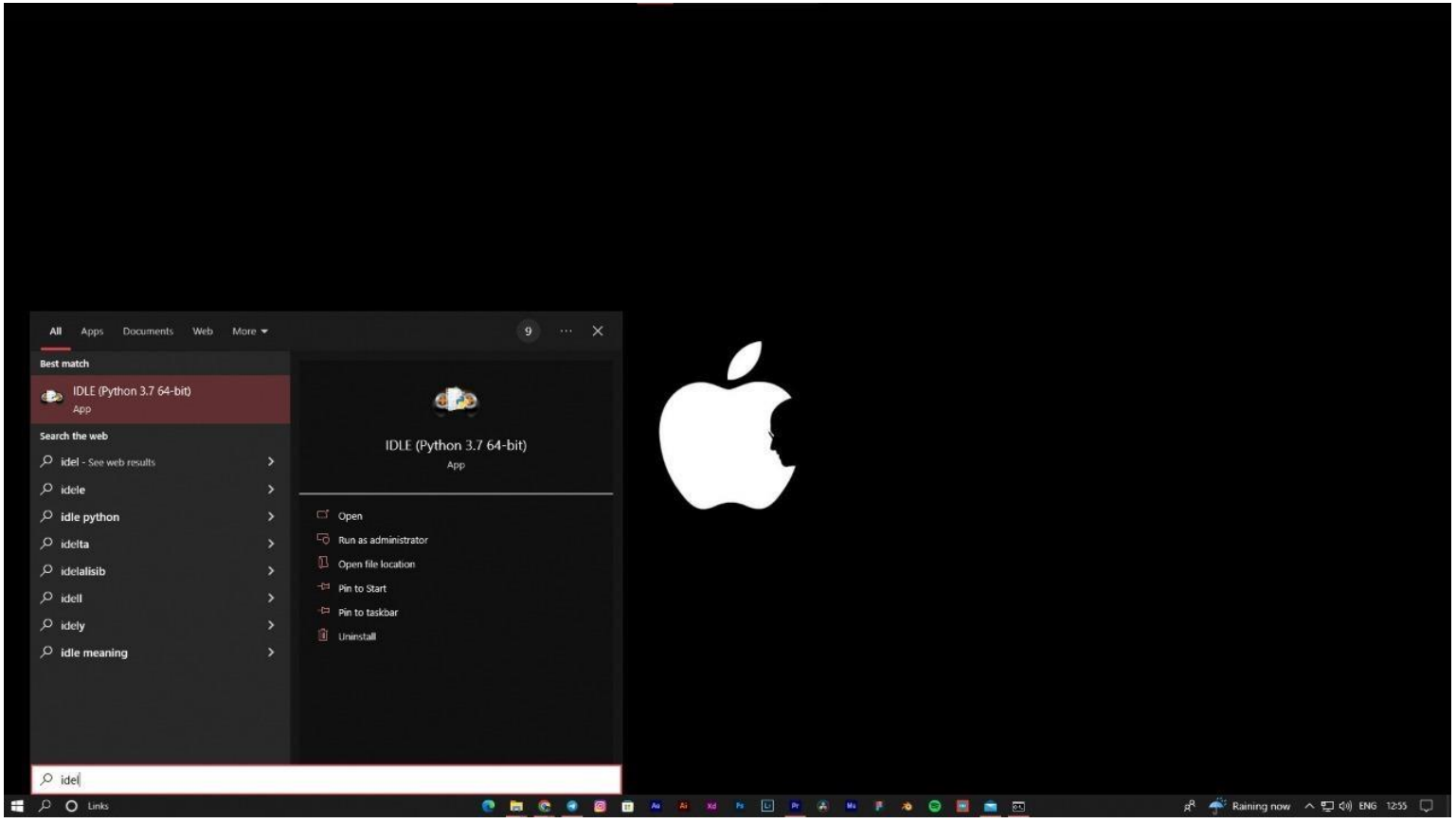
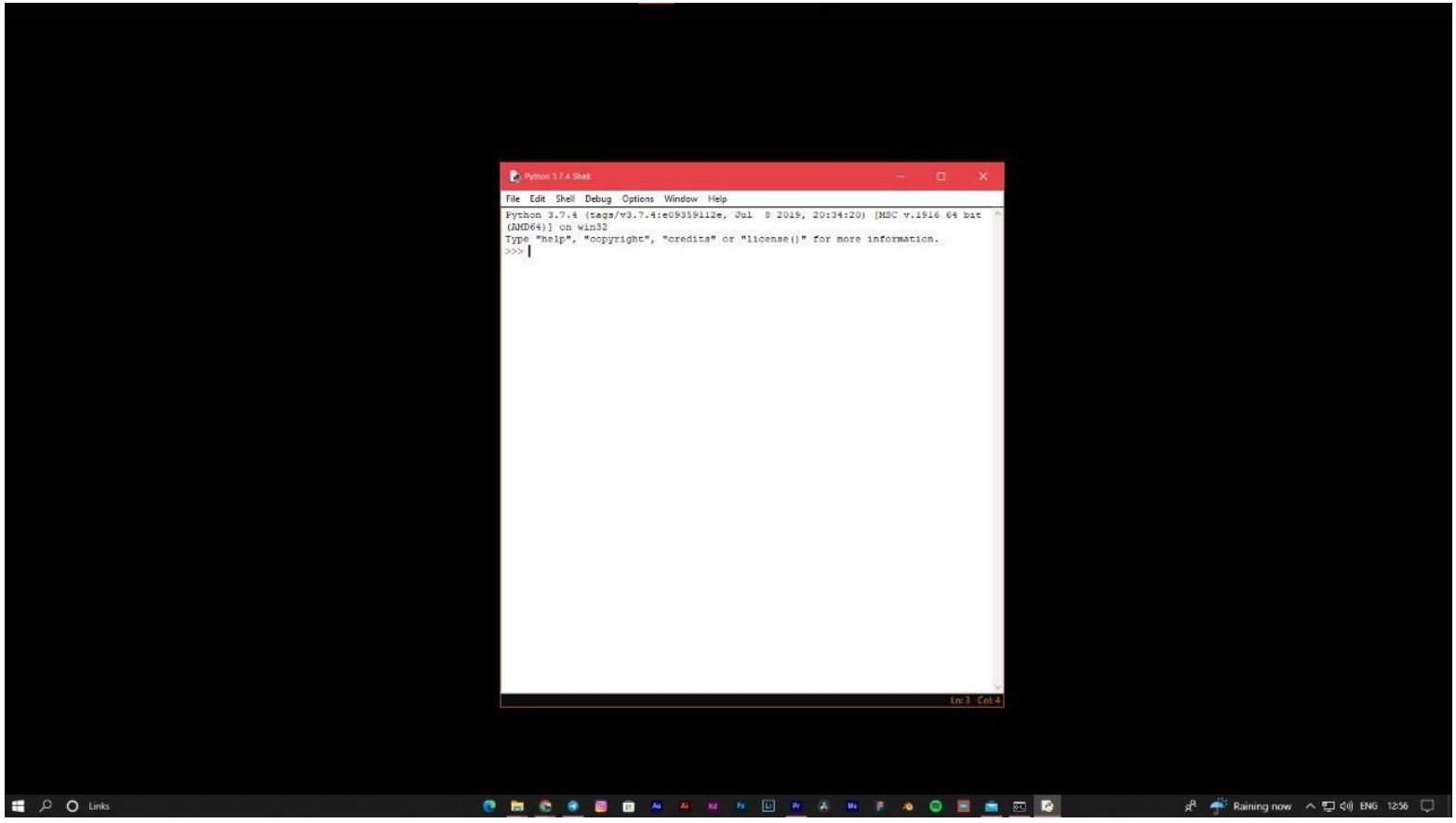
CREATE_PYTHON_SOFTWARE

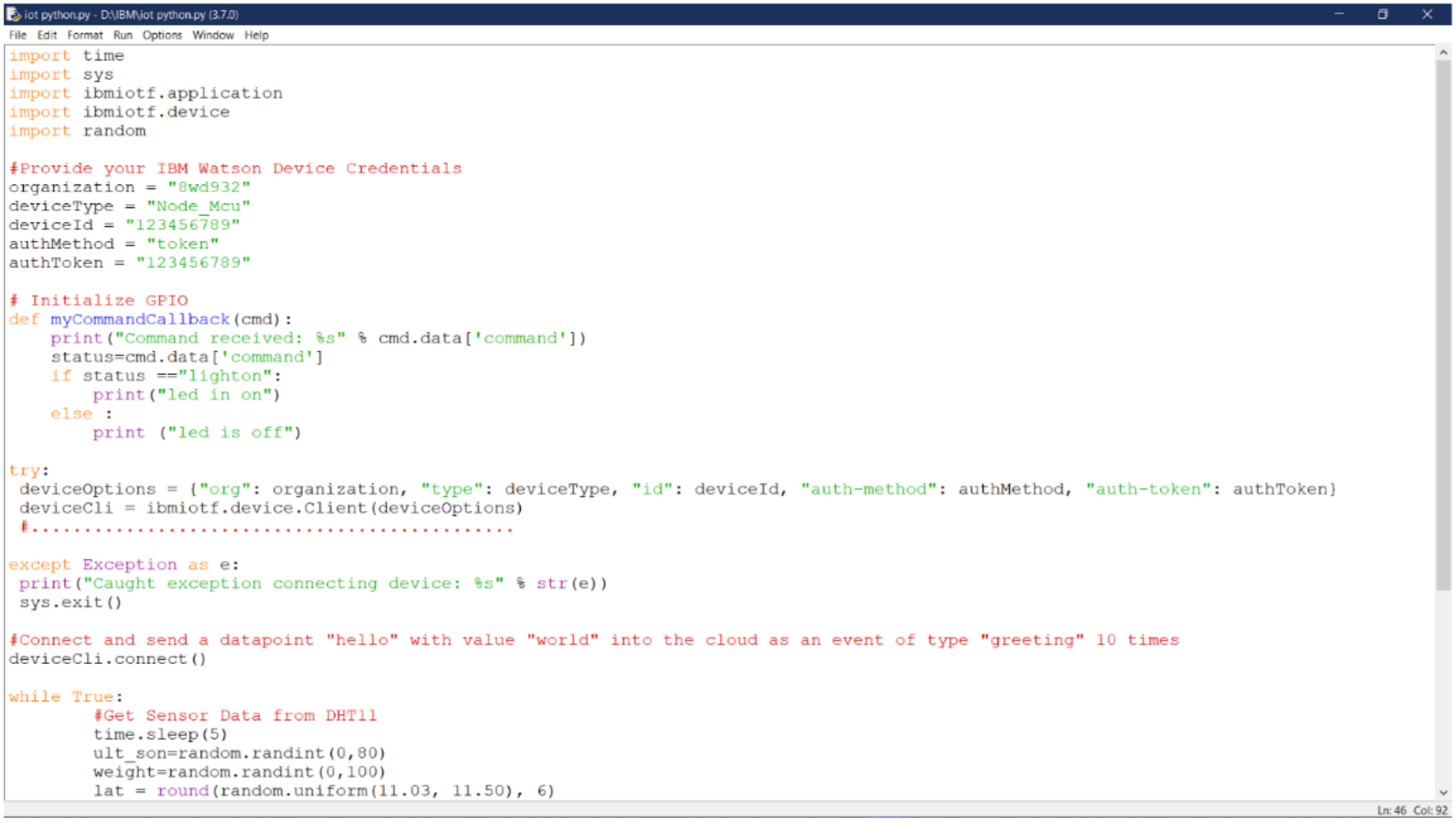
Team ID	***PNT2022TMID05128***
Project Name	***Smart waste management system for metropolitan cities***

SCREENSHOT OF CLOUD ACCOUNT CREATION:




Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 20:34:20) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
Ln: 3 Col: 4
Links
Raining now
ENG
12:56

Python IDE:


iot python.py - D:\IBM\iot python.py (3.7.0)
File Edit Format Run Options Window Help
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random
#Provide your IBM Watson Device Credentials
organization = "8wd932"
deviceType = "Node_Mcu"
deviceId = "123456789"
authMethod = "token"
authToken = "123456789"
# Initialize GPIO
def myCommandCallback(cmd):
print("Command received: %s" % cmd.data['command'])
status=cmd.data['command']
if status =="lighton":
print("led in on")
else :
print ("led is off")
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:
#Get Sensor Data from DHT11
time.sleep(5)
ult_son=random.randint(0,80)
weight=random.randint(0,100)
lat = round(random.uniform(11.03, 11.50), 6)
Ln: 46 Col: 92