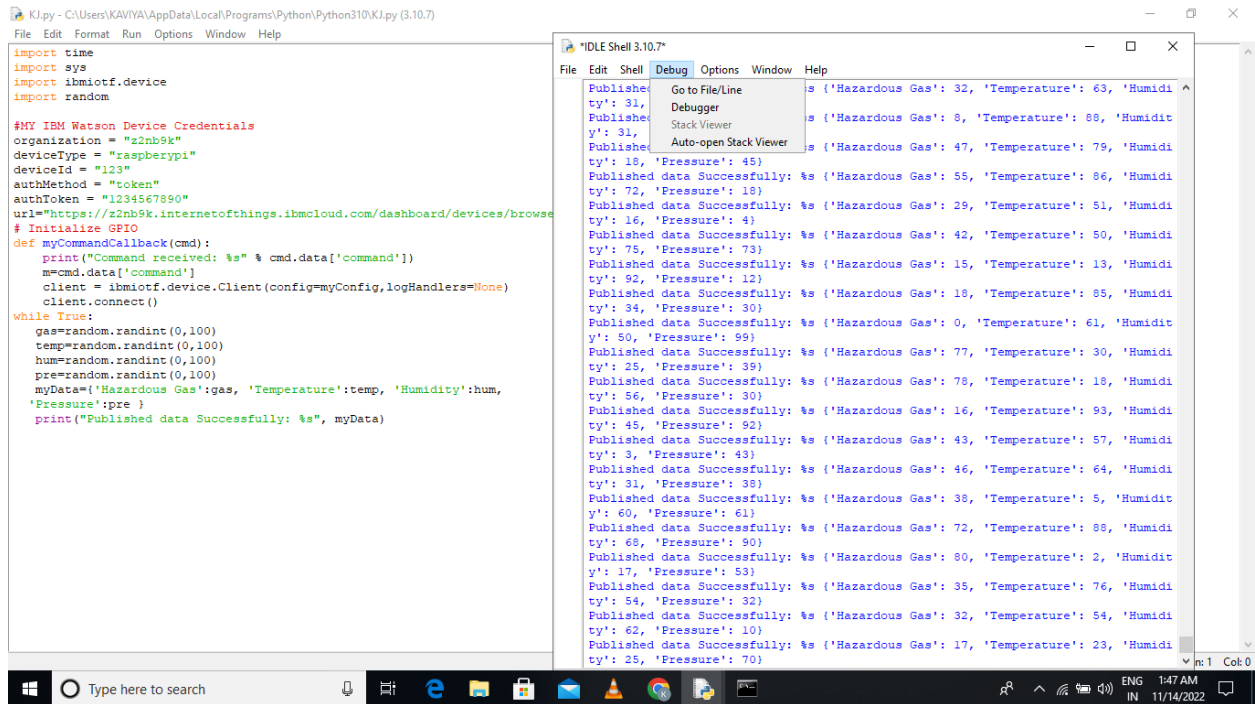


DEVELOP A PYTHON SCRIPT

TEAM ID	PNT2022TMID33319
PROJECT NAME	IOT BASED SAFETY GADGET FOR CHILD SAFETY AND MONITORING SYSTEM



The image shows a screenshot of a Python script being developed in an IDE (KJ.py) and its execution output in a terminal window (IDLE Shell 3.10.7*).

Python Script (KJ.py):

```
import time
import sys
import ibmiotf.device
import random

#MY IBM Watson Device Credentials
organization = "z2nb9k"
deviceType = "raspberrypi"
deviceId = "123"
authMethod = "token"
authToken = "1234567890"
url="https://z2nb9k.internetofthings.ibmcloud.com/dashboard/devices/browse"
# Initialize GPIO
def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    m=cmd.data['command']
    client = ibmiotf.device.Client(config=myConfig,logHandlers=None)
    client.connect()
while True:
    gas=random.randint(0,100)
    temp=random.randint(0,100)
    hum=random.randint(0,100)
    pre=random.randint(0,100)
    myData={'Hazardous Gas':gas, 'Temperature':temp, 'Humidity':hum,
    'Pressure':pre }
    print("Published data Successfully: %s", myData)
```

Terminal Output (IDLE Shell 3.10.7*):

```
Published data Successfully: %s ('Hazardous Gas': 32, 'Temperature': 63, 'Humidity': 31, 'Pressure': 31)
Published data Successfully: %s ('Hazardous Gas': 8, 'Temperature': 88, 'Humidity': 31, 'Pressure': 31)
Published data Successfully: %s ('Hazardous Gas': 47, 'Temperature': 79, 'Humidity': 18, 'Pressure': 45)
Published data Successfully: %s ('Hazardous Gas': 55, 'Temperature': 86, 'Humidity': 72, 'Pressure': 18)
Published data Successfully: %s ('Hazardous Gas': 29, 'Temperature': 51, 'Humidity': 16, 'Pressure': 4)
Published data Successfully: %s ('Hazardous Gas': 42, 'Temperature': 50, 'Humidity': 75, 'Pressure': 73)
Published data Successfully: %s ('Hazardous Gas': 15, 'Temperature': 13, 'Humidity': 92, 'Pressure': 12)
Published data Successfully: %s ('Hazardous Gas': 18, 'Temperature': 85, 'Humidity': 34, 'Pressure': 30)
Published data Successfully: %s ('Hazardous Gas': 0, 'Temperature': 61, 'Humidity': 50, 'Pressure': 99)
Published data Successfully: %s ('Hazardous Gas': 77, 'Temperature': 30, 'Humidity': 25, 'Pressure': 39)
Published data Successfully: %s ('Hazardous Gas': 78, 'Temperature': 18, 'Humidity': 56, 'Pressure': 30)
Published data Successfully: %s ('Hazardous Gas': 16, 'Temperature': 93, 'Humidity': 45, 'Pressure': 92)
Published data Successfully: %s ('Hazardous Gas': 43, 'Temperature': 57, 'Humidity': 3, 'Pressure': 43)
Published data Successfully: %s ('Hazardous Gas': 46, 'Temperature': 64, 'Humidity': 31, 'Pressure': 38)
Published data Successfully: %s ('Hazardous Gas': 38, 'Temperature': 5, 'Humidity': 60, 'Pressure': 61)
Published data Successfully: %s ('Hazardous Gas': 72, 'Temperature': 88, 'Humidity': 68, 'Pressure': 90)
Published data Successfully: %s ('Hazardous Gas': 80, 'Temperature': 2, 'Humidity': 17, 'Pressure': 53)
Published data Successfully: %s ('Hazardous Gas': 35, 'Temperature': 76, 'Humidity': 54, 'Pressure': 32)
Published data Successfully: %s ('Hazardous Gas': 32, 'Temperature': 54, 'Humidity': 62, 'Pressure': 10)
Published data Successfully: %s ('Hazardous Gas': 17, 'Temperature': 23, 'Humidity': 25, 'Pressure': 70)
```

THE PYTHON IS DEVELOPED SUCCESSFULLY.