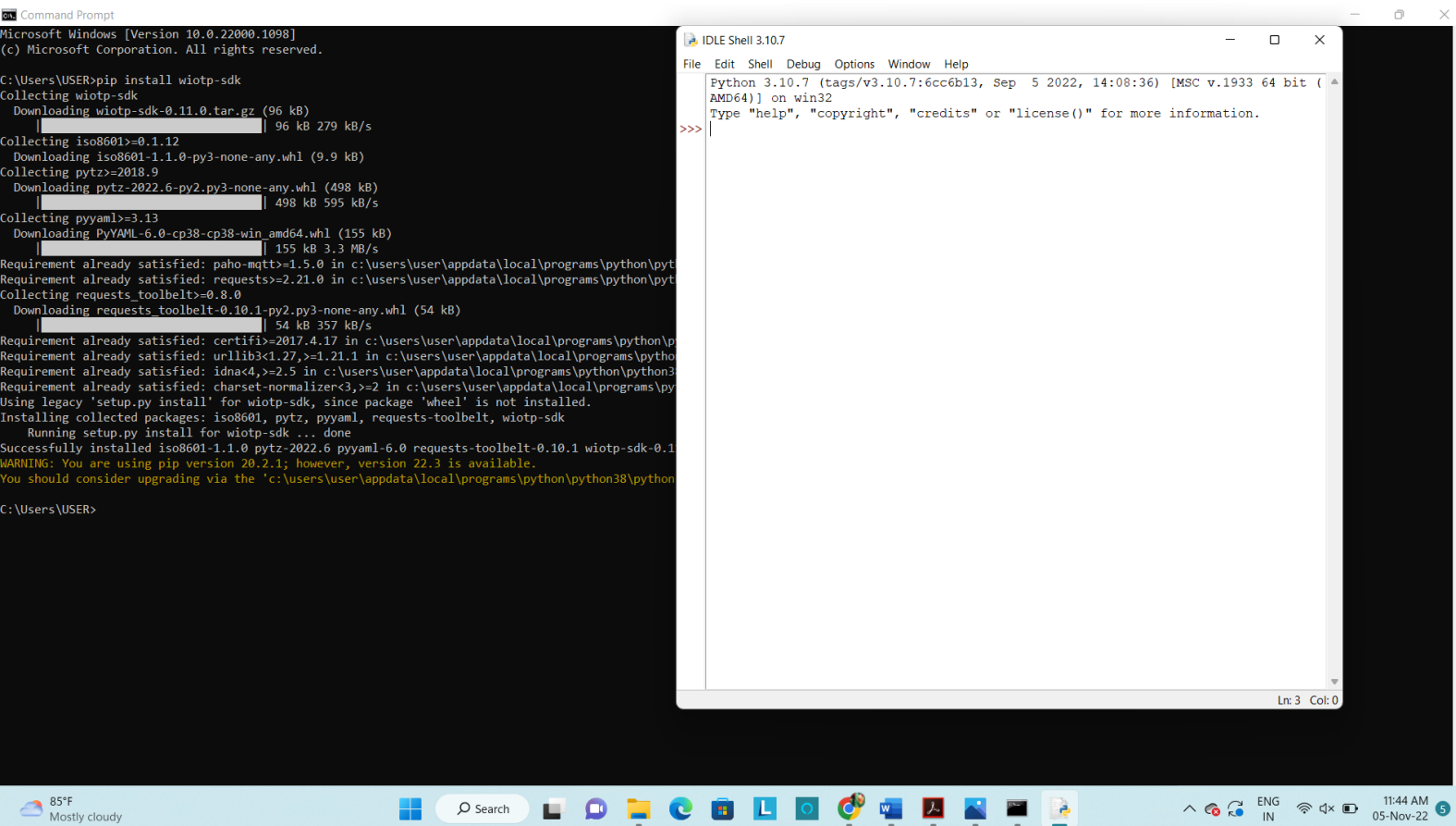


SOFTWARE

Date	04 November 2022
Team ID	PNT2022TMID13514
Project Name	Gas Leakage monitoring & Alerting system for Industries
Maximum Marks	4 Marks

PYTHON IDLE



The screenshot displays a Windows desktop environment. On the left, a Command Prompt window titled 'Command Prompt' shows the execution of pip commands to install the Watson IoT Python SDK. The output indicates the successful installation of several packages: iso8601, pytz, pyyaml, requests-toolbelt, and wiotp-sdk. A warning message at the bottom of the Command Prompt suggests upgrading pip from version 20.2.1 to 22.3. On the right, an IDLE Shell window titled 'IDLE Shell 3.10.7' is open, showing the Python 3.10.7 version and the prompt '>>>'. The Windows taskbar at the bottom includes the Start button, a search bar, and various application icons. The system tray on the right shows the date and time as 11:44 AM on 05-Nov-22.

```
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Users\USER>pip install wiotp-sdk
Collecting wiotp-sdk
  Downloading wiotp-sdk-0.11.0.tar.gz (96 kB)
    |#####| 96 kB 279 kB/s
Collecting iso8601>=0.1.12
  Downloading iso8601-1.1.0-py3-none-any.whl (9.9 kB)
Collecting pytz>=2018.9
  Downloading pytz-2022.6-py2.py3-none-any.whl (498 kB)
    |#####| 498 kB 595 kB/s
Collecting pyyaml>=3.13
  Downloading PyYAML-6.0-cp38-cp38-win_amd64.whl (155 kB)
    |#####| 155 kB 3.3 MB/s
Requirement already satisfied: paho-mqtt>=1.5.0 in c:\users\user\appdata\local\programs\python\python38\python.exe (1.5 MB)
Requirement already satisfied: requests>=2.21.0 in c:\users\user\appdata\local\programs\python\python38\python.exe (1.5 MB)
Collecting requests-toolbelt>=0.8.0
  Downloading requests_toolbelt-0.10.1-py2.py3-none-any.whl (54 kB)
    |#####| 54 kB 357 kB/s
Requirement already satisfied: certifi>=2017.4.17 in c:\users\user\appdata\local\programs\python\python38\python.exe (159 kB)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\user\appdata\local\programs\python\python38\python.exe (1.5 MB)
Requirement already satisfied: idna<4,>=2.5 in c:\users\user\appdata\local\programs\python\python38\python.exe (1.5 MB)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\user\appdata\local\programs\python\python38\python.exe (1.5 MB)
Using legacy 'setup.py install' for wiotp-sdk, since package 'wheel' is not installed.
Installing collected packages: iso8601, pytz, pyyaml, requests-toolbelt, wiotp-sdk
  Running setup.py install for wiotp-sdk ... done
Successfully installed iso8601-1.1.0 pytz-2022.6 pyyaml-6.0 requests-toolbelt-0.10.1 wiotp-sdk-0.11.0
WARNING: You are using pip version 20.2.1; however, version 22.3 is available.
You should consider upgrading via the 'c:\users\user\appdata\local\programs\python\python38\python.exe -m pip install --upgrade pip' command.

C:\Users\USER>
```

```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
```

WATSON IoT PYTHON SDK INSTALLATION

```
Command Prompt
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Users\USER>pip install wiotp-sdk
Collecting wiotp-sdk
  Downloading wiotp-sdk-0.11.0.tar.gz (96 kB)
    | 96 kB 279 kB/s
Collecting iso8601>=0.1.12
  Downloading iso8601-1.1.0-py3-none-any.whl (9.9 kB)
Collecting pytz>=2018.9
  Downloading pytz-2022.6-py2.py3-none-any.whl (498 kB)
    | 498 kB 595 kB/s
Collecting pyyaml>=3.13
  Downloading PyYAML-6.0-cp38-cp38-win_amd64.whl (155 kB)
    | 155 kB 3.3 MB/s
Requirement already satisfied: paho-mqtt>=1.5.0 in c:\users\user\appdata\local\programs\python\python38\lib\site-packages (from wiotp-sdk) (1.6.1)
Requirement already satisfied: requests>=2.21.0 in c:\users\user\appdata\local\programs\python\python38\lib\site-packages (from wiotp-sdk) (2.28.1)
Collecting requests_toolbelt>=0.8.0
  Downloading requests_toolbelt-0.10.1-py2.py3-none-any.whl (54 kB)
    | 54 kB 357 kB/s
Requirement already satisfied: certifi>=2017.4.17 in c:\users\user\appdata\local\programs\python\python38\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (2022.9.14)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\user\appdata\local\programs\python\python38\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (1.26.12)
Requirement already satisfied: idna<4,>=2.5 in c:\users\user\appdata\local\programs\python\python38\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (3.4)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\user\appdata\local\programs\python\python38\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (2.1.1)
Using legacy 'setup.py install' for wiotp-sdk, since package 'wheel' is not installed.
Installing collected packages: iso8601, pytz, pyyaml, requests_toolbelt, wiotp-sdk
  Running setup.py install for wiotp-sdk ... done
Successfully installed iso8601-1.1.0 pytz-2022.6 pyyaml-6.0 requests_toolbelt-0.10.1 wiotp-sdk-0.11.0
WARNING: You are using pip version 20.2.1; however, version 22.3 is available.
You should consider upgrading via the 'c:\users\user\appdata\local\programs\python\python38\python.exe -m pip install --upgrade pip' command.

C:\Users\USER>
```