

# PREREQUISITES

(IBM cloud service, Software)

Date	22 October 2022
Team ID	PNT2022TMID13566
Project Name	Industry-specific intelligent fire management system
Maximum Marks	8 Marks

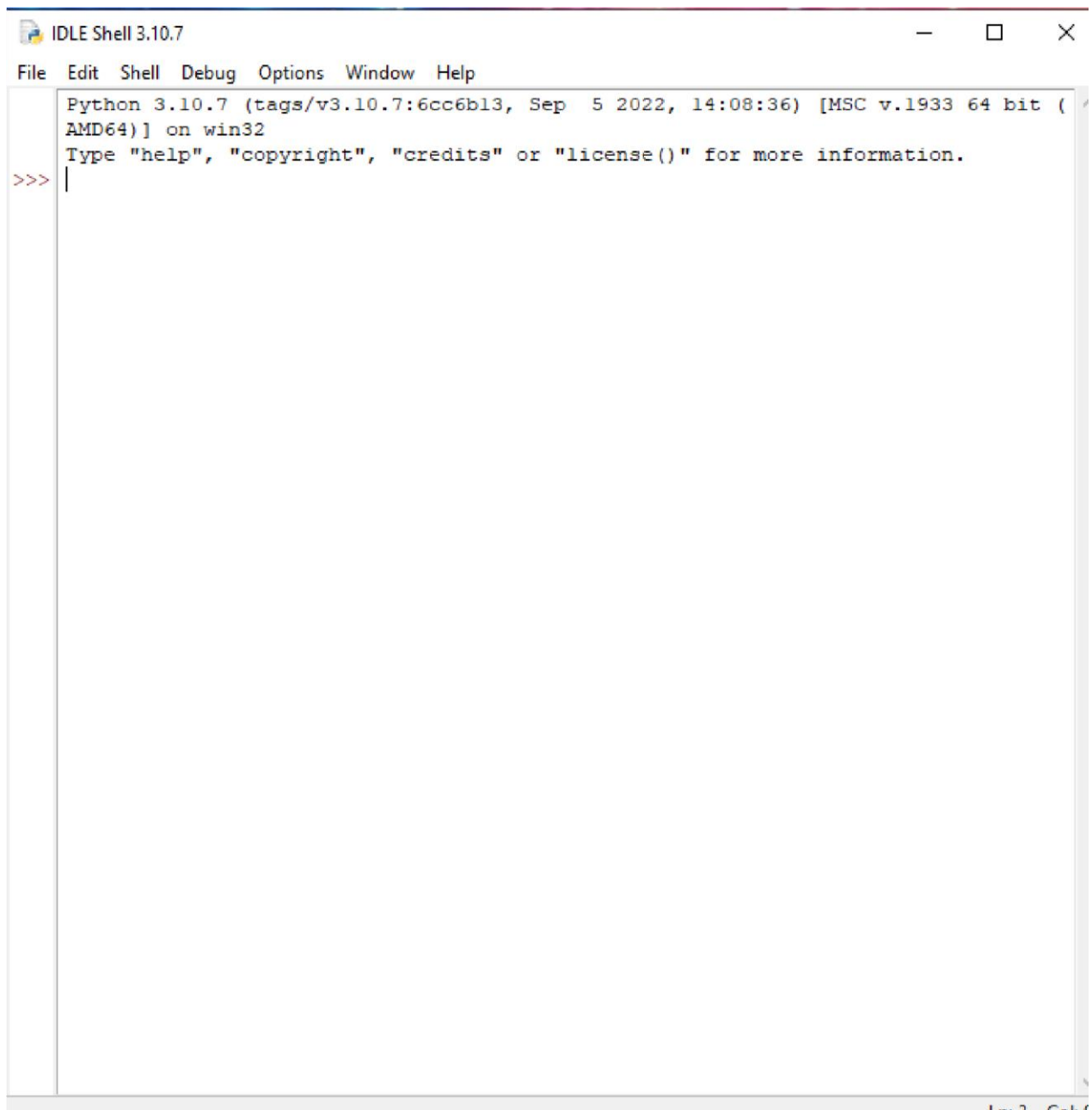
## Software:

### Python IDE:

Python integrated development environments, or Python IDEs, are software platforms that provide programmers and developers with a comprehensive set of tools for software development in a single product, specifically in the Python programming language.

IDE stands for Integrated Development Environment. It's a coding tool which allows you to write, test, and debug your code in an easier way, as they typically offer code completion or code insight by highlighting, resource management, debugging tools.

## Install and setup the Python IDE

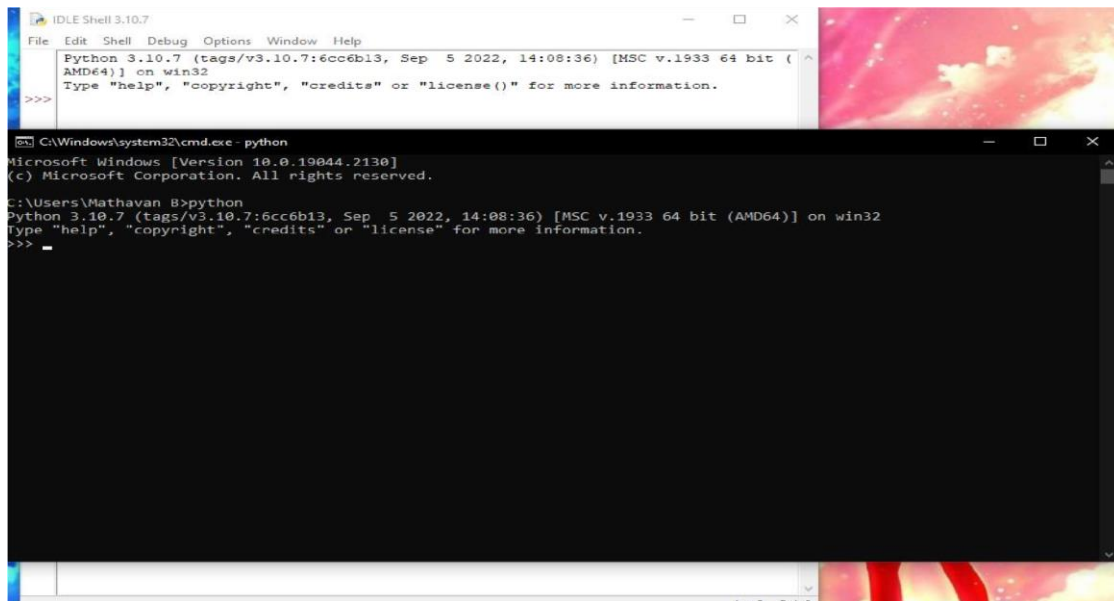


## WATSON IOT PYTHON SDK INSTALLATION:

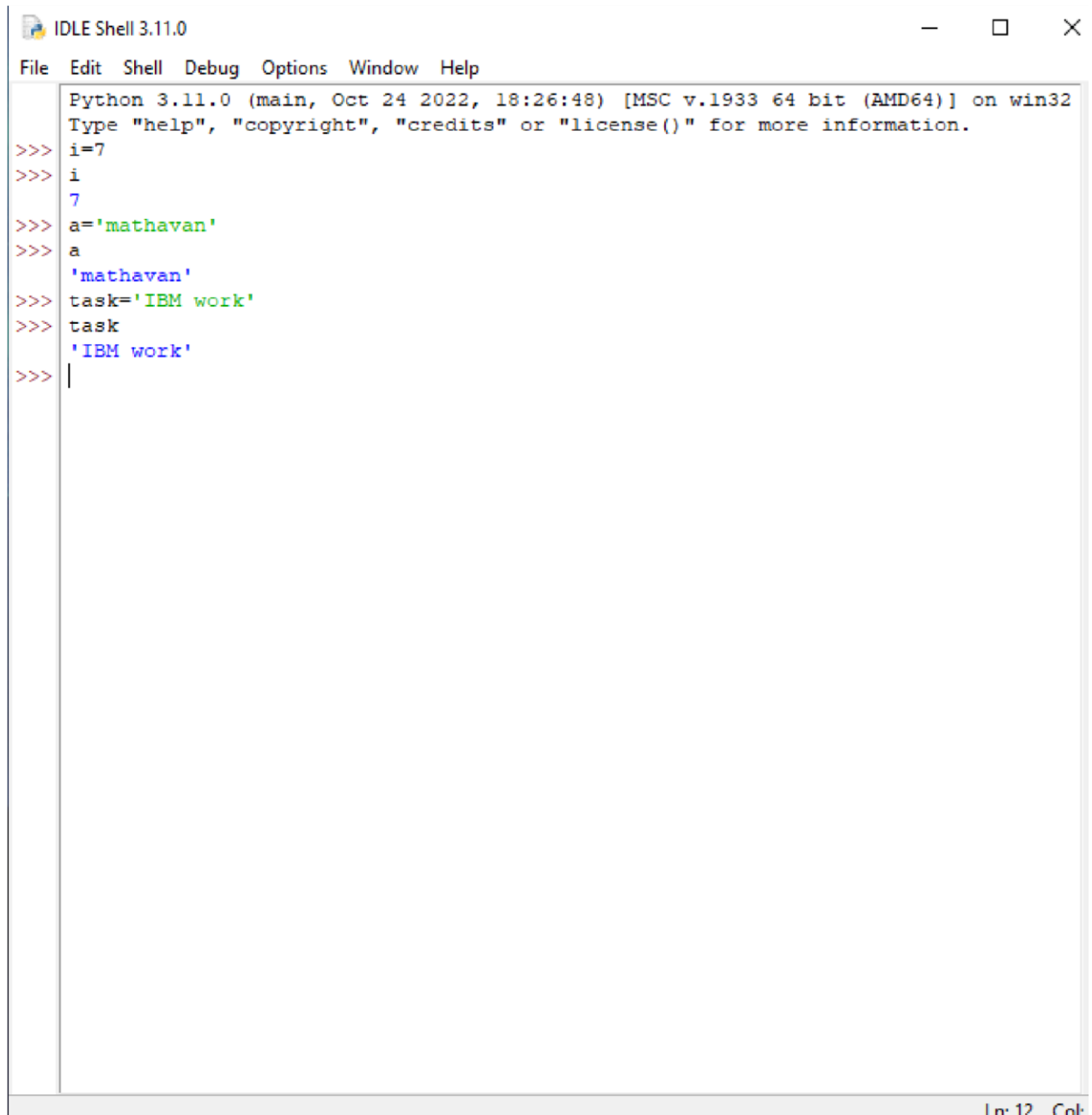
```
Command Prompt
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Mathavan B>pip install wiotp-sdk
Collecting wiotp-sdk
  Downloading wiotp-sdk-0.11.0.tar.gz (96 kB)
    ----- 96.2/96.2 kB 274.6 kB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
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)
    ----- 498.1/498.1 kB 427.9 kB/s eta 0:00:00
Collecting pyyaml>=3.13
  Downloading PyYAML-6.0-cp311-cp311-win_amd64.whl (143 kB)
    ----- 143.2/143.2 kB 772.9 kB/s eta 0:00:00
Collecting paho-mqtt>=1.5.0
  Downloading paho-mqtt-1.6.1.tar.gz (99 kB)
    ----- 99.4/99.4 kB 380.9 kB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
Collecting requests>=2.21.0
  Downloading requests-2.28.1-py3-none-any.whl (62 kB)
    ----- 62.8/62.8 kB 559.6 kB/s eta 0:00:00
Collecting requests_toolbelt>=0.8.0
  Downloading requests_toolbelt-0.10.1-py2.py3-none-any.whl (54 kB)
    ----- 54.5/54.5 kB 942.2 kB/s eta 0:00:00
Collecting charset-normalizer<3,>=2
  Downloading charset_normalizer-2.1.1-py3-none-any.whl (39 kB)
Collecting idna<4,>=2.5
  Downloading idna-3.4-py3-none-any.whl (61 kB)
```

## Version of Python



## Example output of Python

A screenshot of the IDLE Shell 3.11.0 window. The window has a title bar with the text "IDLE Shell 3.11.0" and standard window controls (minimize, maximize, close). Below the title bar is a menu bar with the items "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The main area of the window is a text editor showing the output of a Python session. The text is as follows:

```
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> i=7
>>> i
7
>>> a='mathavan'
>>> a
'mathavan'
>>> task='IBM work'
>>> task
'IBM work'
>>> |
```

The text is color-coded: "Python" is blue, "3.11.0" is green, "(main," is blue, "Oct 24 2022," is green, "18:26:48)" is blue, "[MSC v.1933" is green, "64 bit (AMD64)]" is blue, "on win32" is green, "Type" is blue, "help" is green, "copyright" is green, "credits" is green, "or" is blue, "license()" is green, "for more information." is blue, ">>>" is red, "i=7" is blue, "i" is blue, "7" is blue, "a='mathavan'" is green, "a" is blue, "'mathavan'" is blue, "task='IBM work'" is green, "task" is blue, "'IBM work'" is blue, and "|" is blue. At the bottom right of the window, the status bar shows "Ln 12 Col 1".