PREREQUISITES

(IBM cloud service, Software)

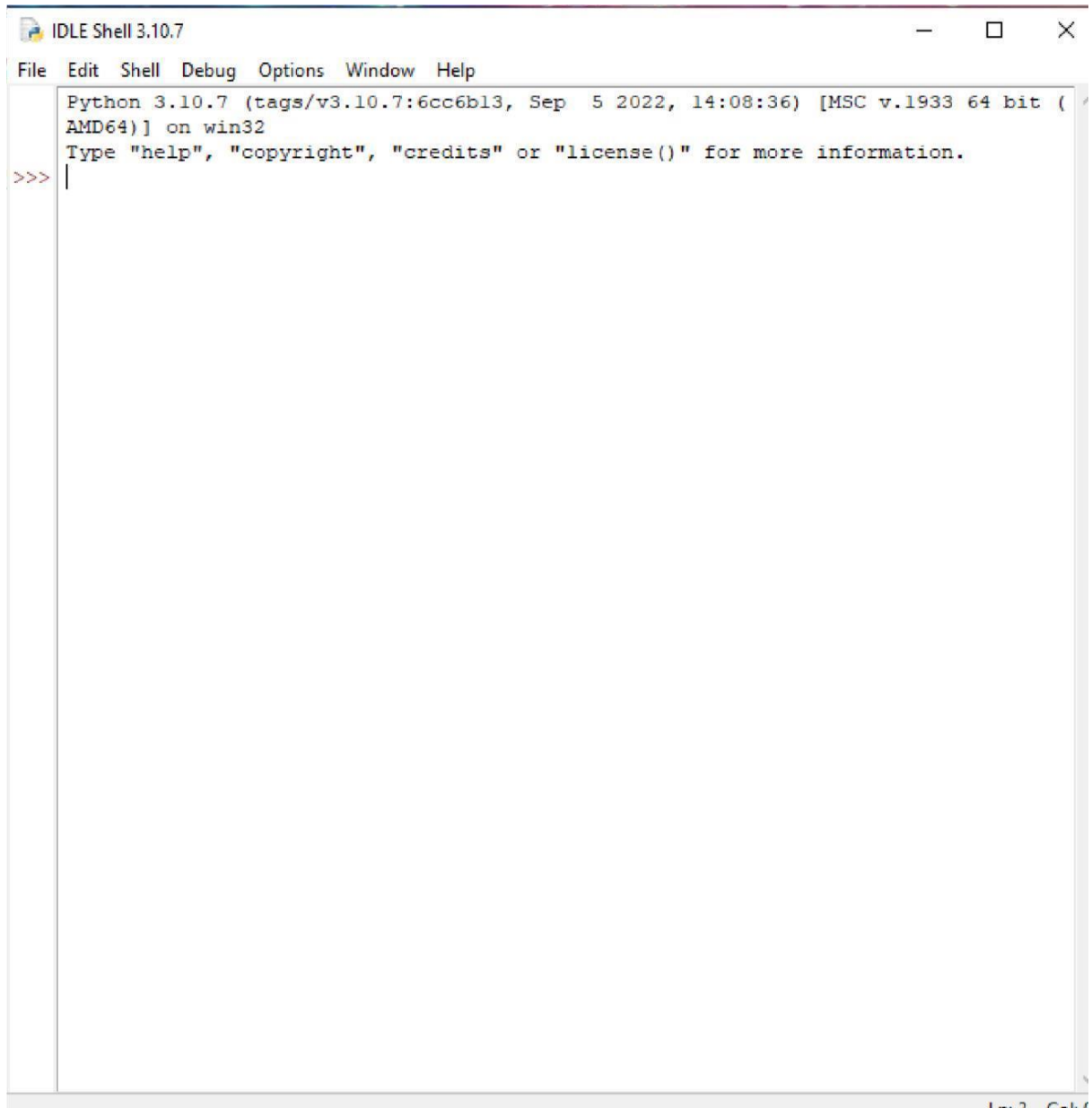| Domain	IOT
Team ID	PNT2022TMID51070
Project Name	Industry-Specific Intelligent Fire Management System
Maximum Marks	8 Marks

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.
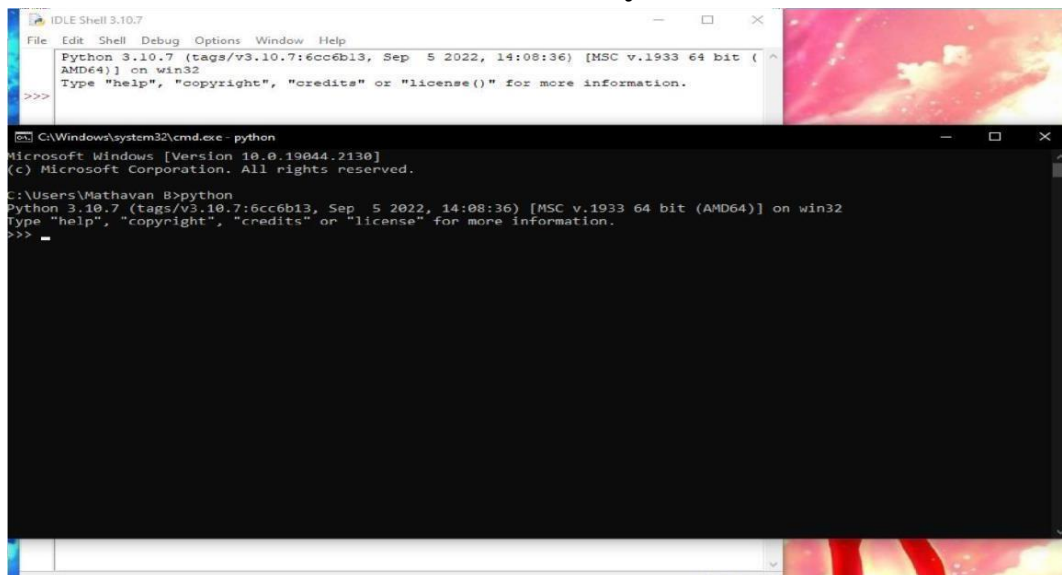
Install and setup the Python IDE

WATSON IOT PYTHON SDK INSTALLATION:

Version of Python

Example output of Python

```
Python 3.7.0 Shell                                          —    □    ✕

File  Edit  Shell  Debug  Options  Window  Help

Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD6
4)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=================== RESTART: D:/IBM Data's/Python Cloud.py ===================
2022-11-05 12:41:07,624   ibmiotf.device.Client       INFO    Connected successfu
lly: d:88653s:iot_device:wokwi_us
Published Temperature = 10 C Humidity = 13 % to IBM Watson
Published Temperature = 59 C Humidity = 60 % to IBM Watson
Published Temperature = 59 C Humidity = 37 % to IBM Watson
Published Temperature = 56 C Humidity = 59 % to IBM Watson
Published Temperature = 29 C Humidity = 95 % to IBM Watson
Published Temperature = 44 C Humidity = 25 % to IBM Watson
Published Temperature = 87 C Humidity = 33 % to IBM Watson
Published Temperature = 44 C Humidity = 60 % to IBM Watson
Published Temperature = 18 C Humidity = 49 % to IBM Watson
Published Temperature = 79 C Humidity = 100 % to IBM Watson
Published Temperature = 36 C Humidity = 16 % to IBM Watson
Published Temperature = 69 C Humidity = 34 % to IBM Watson
Published Temperature = 70 C Humidity = 7 % to IBM Watson
Published Temperature = 66 C Humidity = 79 % to IBM Watson
Published Temperature = 74 C Humidity = 33 % to IBM Watson
Published Temperature = 1 C Humidity = 62 % to IBM Watson
Published Temperature = 97 C Humidity = 39 % to IBM Watson
Published Temperature = 85 C Humidity = 24 % to IBM Watson
Published Temperature = 26 C Humidity = 19 % to IBM Watson
Published Temperature = 10 C Humidity = 42 % to IBM Watson
Published Temperature = 50 C Humidity = 3 % to IBM Watson
Published Temperature = 5 C Humidity = 30 % to IBM Watson
Published Temperature = 81 C Humidity = 14 % to IBM Watson
Published Temperature = 0 C Humidity = 23 % to IBM Watson
Published Temperature = 78 C Humidity = 36 % to IBM Watson
Published Temperature = 4 C Humidity = 86 % to IBM Watson
Published Temperature = 12 C Humidity = 38 % to IBM Watson
Published Temperature = 70 C Humidity = 96 % to IBM Watson
Published Temperature = 26 C Humidity = 65 % to IBM Watson
Published Temperature = 59 C Humidity = 88 % to IBM Watson
Published Temperature = 10 C Humidity = 30 % to IBM Watson
```