IBM IoT-Enabled Smart Farming Application

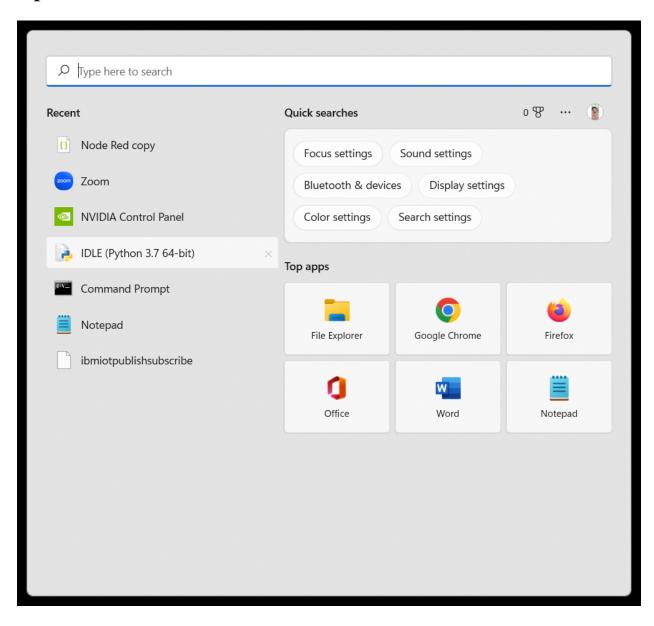
Develop a python script to publish and subscribe to IBM IoT platform

DOMAIN	INTERNET OF THINGS
TOPIC	IoT-ENABLED SMART FARMING APPLICATION
TEAM ID	PNT2022TMID16477
TEAM MEMBERS	KANAGARAJ.P(TL) AKASH.R(TM) MANOJKUMAR.R(TM) MOUNIESH M.K(TM)

Develop the python code:

Open the IDLE and develop the python code for your Project

Open the IDLE:



Open a new File and Create the Python Code:

```
Python 3.7.0 Shell
                                                                                                                                          X
\underline{\text{File}} \quad \underline{\text{E}} \text{dit} \quad \text{She}\underline{\text{II}} \quad \underline{\text{D}} \text{ebug} \quad \underline{\text{O}} \text{ptions} \quad \underline{\text{W}} \text{indow} \quad \underline{\text{H}} \text{elp}
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD6 A
4)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
```

In the Run click the Run module:

```
A monocofferopertup - Clumentanes Application Program Python Pyth
```

Our Python code is running Successfully for generating Random values:

```
*Python 3.7.0 Shell*
                                                                         X
<u>File Edit Shell Debug Options Window Help</u>
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: C:\Users\kanag\AppData\Local\Programs\Python\Python37\Maincodeforproje
2022-11-22 19:43:38,150 ibmiotf.device.Client INFO Connected successfu
lly: d:mwjyar:abcd:12345
Published moist = 90 C temp= 77 % Humid = 45 % to IBM Watson
Published moist = 0 C temp= -11 % Humid = 58 % to IBM Watson
```