How to Install Qiskit

Taken from https://qiskit.org/documentation/install.html

What is Qiskit?
Qiskit is a Python Library. Qiskit is an open-source quantum computing software development framework created by IBM for leveraging today's quantum processors in research, education, and business.

Qiskit is divided into 4 elements each with a different purpose:

- Terra - Constructing quantum circuits to run on real quantum chips.
- Aer - Simulating quantum circuits on classical computers.
- Aqua - Contains a variety of quantum algorithms.
- Ignis - Experiments for understanding and mitigating noise.

Prerequisites
First you should have Python 3.5, 3.6, or 3.7 installed from https://www.python.org/downloads/. There appears to be a problem version 3.8, if you already have this version either downgrade or use Anaconda.

Windows users are recommended to install from the windows store. (Just search Python 3.7).

Anaconda (Optional)
Anaconda is a Python data science platform used to create separate environments for Python projects. IBM recommends using Anaconda but it is not required.

Mac/Linux:
```
conda create -n name_of_env python=3
source activate name_of_env
```

Windows:
```
conda create -n name_of_env python=3
activate name_of_env
```

Installation
Using Python's package manager named PIP we can install Qiskit. PIP is included with Python 3.4 or later by default.

Mac/Linux/Windows: `pip install qiskit`

Getting Started
Qiskit is now installed. To include it, write `import qiskit` at the top of your python program.

To run the program you could execute it from your Python IDE or

Mac/Linux: `python3 my_file_name.py`
Windows: `py my_file_name.py`