**IBridgePy Assignment**

This assignment is based on the IBridgePy Quantra course and interactive lectures on IBridgePy in EPAT.

*Notes*:

* **This is a non-gradable assignment.**
* **Programming can be done in multiple ways so feel free to build your own approach.**

Build an execution algorithm to execute the Bollinger band strategy on the asset of your choice using IBridgePy. Consider the following pointers while developing it:

* Open a long position when the current market price is below the lower band.
* Close the long position once the current market price goes above the average (20 SMA) price.
* Open a short position when the current market price is above the upper band.
* Close the short position once the current market price goes below the average price.
* Execute on an intraday basis such as 1 min, 5 mins, 10 mins, etc.
* Same signals should not be traded multiple times. For example, once the strategy opens a long position, it should not open another long position unless the previous position is closed.

*Resources*:

* Use IBridgePy [documentation](https://ibridgepy.com/documentation/) to look for syntaxes.
* Refer to in-class files and sample strategies in the IBridgePy folder in case you need pointers on how to start. You can refer to
  + demo\_buy\_low\_sell\_high.py
  + moving\_average\_crossover.py