

## TBP-04 & 05: Lecture Objectives & Prerequisites

### Overview

In these two lectures, you'll get a deeper understanding of building trading strategies in IBridgePy and how to backtest and live trading. You'll also get a detailed understanding of the critical functions of IBridgePy, managing multiple accounts and implementing various strategies through backtesting.

### Key takeaways from the lecture:

- Components and steps to start an investment fund
- Different Python solutions for algo trading
- IBridgePy cornerstone functions
- Improvements to moving average crossover strategy
- Build a buy-low-sell-high strategy by machine learning
- Options trading in IBridgePy
- Manage multiple account as a fund manager
- Backtest strategies

### Pre-requisites:

- **You MUST complete this course by Quantinsti before attending the sessions.**  
[https://quantra.quantinsti.com/course/Automated-Trading-IBridgePY-Interactive-Brokers-Platform?utm\\_source=ibridgepy&utm\\_medium=affiliate&utm\\_campaign=website\\_home](https://quantra.quantinsti.com/course/Automated-Trading-IBridgePY-Interactive-Brokers-Platform?utm_source=ibridgepy&utm_medium=affiliate&utm_campaign=website_home)
- Subscribe to IBridgePy's YouTube channel:  
<https://www.youtube.com/channel/UCOSvCJJG7PTH-jhp0phvlrg>
- Download and install IBridgePy(Register an account if you don't have one) at  
<http://www.ibridgepy.com/download/>
- **For Windows users: Anaconda Python is required.** Watch this YouTube tutorial:  
<https://www.youtube.com/watch?v=ywaZiGFrcrc&feature=youtu.be>
- **For Mac users:** you can go through the following link: <https://youtu.be/MCZcmxqDL94> and <https://youtu.be/M96ZPXQnngA> (IBridgePy does not support Anaconda Python on Mac. Install python 3.9 by "brew install python")
- Register an IB demo account: <https://gdcdyn.interactivebrokers.com/Universal/Application?ft=T>
- Download IB TWS and Gateway: <https://youtu.be/9hPOB-tY5vk>
- Run IBridgePy in Jupyter Notebook for Windows users: <https://youtu.be/i41zzRJoXUw>

**File reference:**

- TBP-04 & 05-Files

**Assignments/Quizzes:**

- TBP-04 & 05 Assignment

**Recommended time for the session & related coursework -7 hours**

**Additional Read**

**Blog:** [Using IBridgePy to implement Python in Interactive Brokers API](#)