Multithreading in Python

Prerequisites

This seminar was developed for software developers with extensive experience in OOP using the Python programming language.

Duration

This seminar includes 8 academic hours.

Premium Training

This seminar can be delivered either in Hebrew or in English. It can be delivered either online, or in a Hybrid way that allows the participants to choose whether to attend the meeting room where the training takes place or to join online.

The Lecturer

This seminar is delivered by Haim Michael, an experienced well-known software development trainer with more than 25 years of experience in software development training.

The Topics

This seminar starts with a short overview of the fundamental topics Thread, Process, and Coroutine. Following this short introduction this seminar delves into the use of the _thread and the threading modules. We will learn about the various ways for creating new threads, and we will learn how to synchronize the threads with each other. We will also learn how to use various classes that were developed for various specific cases, such as Semaphore, Timer and Barrier. Following the detailed cover of the threading module we will overview the possibilities the multiprocessing module provides us with, and we will conclude with overviewing the use of coroutines and tasks.