

Problem 1: Time Elapsed Since Task Started

Write a Python program using the `time` module to measure how long (in seconds) it takes to complete a task (use `time.sleep(5)` to simulate a 5-second task).

Problem 2: Calculate Future Date

Write a program that prints the date exactly 30 days from today using the `datetime` module. You may use the `timedelta` function.

For the following questions you are expected to setup the Gmail API and `credentials.json` file as shown in the class recording and slides.

Problem 3: Print Subjects of Unread Emails

Write a program using `ezgmail` that prints the subject lines of all unread emails. You may use the `.unread()` and `.subject` functions to do so.

Problem 4: Display Recent Gmail Threads

Write a script that shows the subject lines of the 5 most recent email threads in your Gmail using `ezgmail`. You may use `.recent(maxResults=5)` to get the 5 most recent emails in your inbox.