

# PyQt5 Exercise: Task Manager Application

## Exercise 1: Create the Main Window (5 points)

Create a PyQt5 application with a main window titled "Task Manager". The window should have a fixed size of 600x400 pixels and include a menu bar with two menus: "File" and "Help". The "File" menu should contain an action "Exit" that closes the application, and the "Help" menu should contain an action "About" that displays a message box with the text "Task Manager v1.0".

## Exercise 2: Add a Task Input Form (5 points)

Add a form to the main window that allows users to input tasks. The form should include:

- A `QLineEdit` for the task name.
- A `QTextEdit` for the task description.
- A `QPushButton` labeled "Add Task" that, when clicked, displays the task details in a `QListWidget`.

## Exercise 3: Implement Task Deletion (5 points)

Add a `QPushButton` labeled "Delete Task" that removes the currently selected task from the `QListWidget`.

## Exercise 4: Save and Load Tasks (5 points)

Add functionality to save tasks to a file and load them back into the application. Use the "File" menu to add two new actions:

- "Save Tasks": Saves the tasks to a file named `tasks.txt`.
- "Load Tasks": Loads tasks from `tasks.txt` and displays them in the `QListWidget`.