# To-Do List Program in Python

## Code Explanation

This program is a menu-driven To-Do List manager written in Python. It allows users to add tasks, view tasks, and remove tasks using a simple menu. The program runs in a loop until the user chooses to exit.

1. `tasks = []`: Creates an empty list to store tasks.

2. `while True:`: Keeps the program running until the user exits.

3. Menu: Displays the choices (Add, Show, Remove, Exit).

4. User choice: Takes input from the user to decide what action to perform.

5. Add Task: Appends a new task to the list using `.append()`.

6. Show Tasks: Displays all tasks with numbers using a loop.

7. Remove Task: Removes a task by index using `.pop()` after checking validity.

8. Exit: Breaks the loop and ends the program.

9. Invalid Input: Handles wrong menu choices gracefully.

## Sample Output

