Lab Task – Dynamic Calculator & To-Do List

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**1. Objective**

- To practice Python programming with loops, conditionals, and exception handling.  
- To build a dynamic calculator that can evaluate user-entered expressions.  
- To create a to-do list program where tasks can be added, displayed, and marked as done.

**2. Task 1 – Dynamic Calculator**

Description:  
This program works as a calculator that accepts expressions from the user and evaluates them. If the user types 'exit', the program ends. Invalid expressions are handled using exception handling.

**Sample Output (Explained):**

- The program first asks for an expression.  
- If the user enters 5+2\*3, the result will be 11.  
- If the user enters (10-4)/2, the result will be 3.0.  
- If the user types exit, the program closes with a goodbye message.

**3. Task 2 – To-Do List**

Description:  
This is a menu-driven program where the user can:  
1. Add a task  
2. Show tasks  
3. Mark tasks as done  
4. Exit  
Tasks are stored in a list with their completion status. A user can view all tasks and mark any of them as done.

**Sample Output (Explained):**

- User selects Add Task and enters 'Complete Python Assignment'.  
- The program shows the task with status [Not Done].  
- When the user marks it as done, the program updates it to [Done].  
- On choosing exit, the program ends.

**4. Conclusion**

- Learned how to build a dynamic calculator using loops and exception handling.  
- Implemented a menu-driven program for managing tasks.  
- Improved understanding of Python lists, dictionaries, and user input handling.