

Assignment

Task 1: Stack Implementation – Building a "Urgent" To-Do List

Description: You are building an **"Urgent Task Stack."** The logic is based on the **LIFO (Last-In, First-Out)** principle: the most recent task you add is the most urgent one and must be completed first.

You can implement:

1. **Storage:** Use a Python List `[]` to act as the stack.
2. **Operations to Implement:**
 - o `push(task)`: Add a new task to the top of the stack.
 - o `pop()`: Remove and display the most recently added task (the top item). If the stack is empty, show a message.
 - o `view_top()`: Just look at the task currently at the top without removing it.
 - o `display_all()`: Show all tasks currently in the stack.

Example Scenario:

- User adds "Task A".
 - User adds "Task B".
 - User adds "Task C".
 - When user calls `pop()`, "Task C" should be removed/completed first.
-

Submission Details

Please follow the guidelines below to submit your assignment:

- **Practice & Code on Your Own:**
 - o Do not copy-paste code from AI or online tutorials blindly. Use comments (`# this part does X`) to explain your logic.
- **Implementation Strategy:**
 - o Make it simple but effective.
- **Version Control:**
 - o Create a new **GitHub Repository** named `DSA-todolist`. Upload your `.py` file(s) there.
- **Final Submission:**
 - o Copy your GitHub repository link.
 - o Paste the link into the following Google Form:
<https://forms.gle/WCBMTEQwDREMbVw37>