# SUPERIOR UNIVERSITY LAHORE

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SECTION = BSDS-3A

# To-Do List (dynamic)

## 1. Make an Empty List

Code:  
tasks = []  
print(tasks)  
  
Output:  
[]  
  
 Empty list → means no tasks yet.

## 2. Add a Task

Code:  
tasks.append("Study")  
print(tasks)  
  
Output:  
['Study']  
  
One task added.

## 3. Add More Tasks

Code:  
tasks.append("Exercise")  
tasks.append("Homework")  
print(tasks)  
  
Output:  
['Study', 'Exercise', 'Homework']  
  
Now 3 tasks are saved.

## 4. Show Tasks with Numbering

Code:  
for i, task in enumerate(tasks, 1):  
 print(i, task)  
  
Output:  
1 Study  
2 Exercise  
3 Homework  
  
enumerate gives numbers to tasks.

## 5. Delete a Task

Code:  
removed = tasks.pop(1) # removes 2nd task (Exercise)  
print("Deleted:", removed)  
print(tasks)  
  
Output:  
Deleted: Exercise  
['Study', 'Homework']  
  
Now only 2 tasks are left.

## 6. Menu with Options

Code:  
print("\n--- TO-DO LIST ---")  
print("1. View Tasks")  
print("2. Add Task")  
print("3. Delete Task")  
print("4. Exit")  
  
Output:  
--- TO-DO LIST ---  
1. View Tasks  
2. Add Task  
3. Delete Task  
4. Exit  
  
This is the main menu shown every time.

## 7. Exit the Program

Code:  
print("Goodbye 👋")  
  
Output:  
Goodbye 👋

## Final Note

All these pieces together make the full To-Do List Program.  
  
- tasks = [] → empty box for tasks  
- .append() → add  
- .pop() → delete  
- for loop + enumerate() → show tasks  
- while True + break → repeat menu until exit