Console-Based To-Do List App - Code and Description

# Code and Explanation

tasks = []

👉 Initializes an empty list to store tasks.

def show\_menu():

👉 Defines a function to display the to-do list menu.

print("\n📋 TO-DO LIST")

print("1. Add Task")

👉 Displays menu options to the user.

print("2. View Tasks")

print("3. Remove Task")

print("4. Exit")

while True:

👉 Creates an infinite loop to repeatedly show the menu.

show\_menu()

choice = input("Enter your choice (1-4): ")

👉 Prompts user to input their choice.

if choice == "1":

👉 Handles the logic for adding a task.

task = input("Enter the task: ")

tasks.append(task)

👉 Appends the entered task to the tasks list.

print("✅ Task added!")

elif choice == "2":

👉 Handles displaying the list of tasks.

if not tasks:

print("📭 No tasks found.")

else:

print("\nYour Tasks:")

for idx, task in enumerate(tasks, start=1):

👉 Displays each task with its index number.

print(f"{idx}. {task}")

elif choice == "3":

👉 Handles removing a selected task.

if not tasks:

print("❌ No tasks to remove.")

else:

for idx, task in enumerate(tasks, start=1):

👉 Displays each task with its index number.

print(f"{idx}. {task}")

to\_remove = int(input("Enter task number to remove: "))

👉 Asks for the index of the task to remove.

if 1 <= to\_remove <= len(tasks):

removed = tasks.pop(to\_remove - 1)

print(f"🗑️ Removed: {removed}")

else:

print("⚠️ Invalid task number.")

elif choice == "4":

👉 Handles program exit.

print("👋 Goodbye!")

break

else:

👉 Handles invalid inputs from the user.

print("⚠️ Invalid choice. Please try again.")