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# Simple To-Do List Application

Tasks = []  # each task will be a dict: {“task”: str, “done”: bool}
MAX_TASKS = 8

Def show_menu():
   Print(“\n=== To-Do List Menu ===”)
   Print(“1. Add Task”)
   Print(“2. View Tasks”)
   Print(“3. Update Task”)
   Print(“4. Delete Task”)
   Print(“5. Mark Task as Done”)
   Print(“6. Exit”)

Def add_task():
   If len(tasks) >= MAX_TASKS:
      Print(“You cannot add more than 8 tasks!”)
      Return
   Task_name = input(“Enter task: “)
   Tasks.append({“task”: task_name, “done”: False})
   Print(“Task added successfully.”)

Def view_tasks():
   If not tasks:
      Print(“No tasks yet.”)
   Else:
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    Print("\nYour Tasks:")
    For I, t in enumerate(tasks, start=1):
      Status = "✓ Done" if t["done"] else "✗ Not Done"
      Print(f"{i}. {t['task']} – {status}")

Def update_task():
  View_tasks()
  If tasks:
    Try:
      Num = int(input("Enter task number to update: "))
      If 1 <= num <= len(tasks):
        New_name = input("Enter new task name: ")
        Tasks[num-1]["task"] = new_name
        Print("Task updated successfully.")
      Else:
        Print("Invalid task number.")
    Except ValueError:
      Print("Please enter a valid number.")

Def delete_task():
  View_tasks()
  If tasks:
    Try:
      Num = int(input("Enter task number to delete: "))
      If 1 <= num <= len(tasks):
        Removed = tasks.pop(num-1)
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            Print(f”Task ‘{removed[‘task’]}’ deleted.”)
        Else:
            Print(“Invalid task number.”)
    Except ValueError:
        Print(“Please enter a valid number.”)

Def mark_done():
    View_tasks()
    If tasks:
        Try:
            Num = int(input(“Enter task number to mark as done: “))
            If 1 <= num <= len(tasks):
                Tasks[num-1][“done”] = True
                Print(“Task marked as done.”)
            Else:
                Print(“Invalid task number.”)
        Except ValueError:
            Print(“Please enter a valid number.”)

# Main Loop
While True:
    Show_menu()
    Choice = input(“Choose an option (1-6): “)

    If choice == ‘1’:
        Add_task()
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Elif choice == ‘2’:
   View_tasks()
Elif choice == ‘3’:
   Update_task()
Elif choice == ‘4’:
   Delete_task()
Elif choice == ‘5’:
   Mark_done()
Elif choice == ‘6’:
   Print(“Goodbye!”)
   Break
Else:
   Print(“Invalid choice. Please select from 1 to 6.”)
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