# To-Do List Application

# Function to display the current to-do list

def display\_tasks(tasks):

if not tasks:

print("Your to-do list is empty.")

else:

print("Your to-do list:")

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

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

# Function to add a new task to the to-do list

def add\_task(tasks, new\_task):

tasks.append(new\_task)

print(f"Added: {new\_task}")

# Function to update an existing task

def update\_task(tasks, task\_index, updated\_task):

if task\_index >= 1 and task\_index <= len(tasks):

tasks[task\_index - 1] = updated\_task

print(f"Task {task\_index} updated.")

else:

print("Invalid task index.")

# Function to remove a task from the to-do list

def remove\_task(tasks, task\_index):

if task\_index >= 1 and task\_index <= len(tasks):

removed\_task = tasks.pop(task\_index - 1)

print(f"Removed: {removed\_task}")

else:

print("Invalid task index.")

# Main function

def main():

tasks = []

print("Welcome to the To-Do List application!")

while True:

print("\nOptions:")

print("1. Display tasks")

print("2. Add task")

print("3. Update task")

print("4. Remove task")

print("5. Quit")

choice = input("Enter your choice (1/2/3/4/5): ")

if choice == '1':

display\_tasks(tasks)

elif choice == '2':

new\_task = input("Enter the new task: ")

add\_task(tasks, new\_task)

elif choice == '3':

task\_index = int(input("Enter the task number to update: "))

updated\_task = input("Enter the updated task: ")

update\_task(tasks, task\_index, updated\_task)

elif choice == '4':

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

remove\_task(tasks, task\_index)

elif choice == '5':

print("Thank you for using the To-Do List application. Goodbye!")

break

else:

print("Invalid choice. Please choose a valid option.")

if \_name\_ == "\_main\_":

    main()