# todo\_list.py

class ToDoList:

def \_\_init\_\_(self):

self.tasks = []

def add\_task(self, task):

self.tasks.append(task)

print(f"Task '{task}' added!")

def view\_tasks(self):

print("Your To-Do List:")

for i, task in enumerate(self.tasks, start=1):

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

def update\_task(self, task\_number, new\_task):

try:

task\_number = int(task\_number)

if task\_number > 0:

self.tasks[task\_number - 1] = new\_task

print(f"Task {task\_number} updated!")

else:

print("Invalid task number!")

except (ValueError, IndexError):

print("Invalid task number!")

def delete\_task(self, task\_number):

try:

task\_number = int(task\_number)

if task\_number > 0:

del self.tasks[task\_number - 1]

print(f"Task {task\_number} deleted!")

else:

print("Invalid task number!")

except (ValueError, IndexError):

print("Invalid task number!")

def main():

todo = ToDoList()

while True:

print("\nOptions:")

print("1. Add task")

print("2. View tasks")

print("3. Update task")

print("4. Delete task")

print("5. Quit")

choice = input("Choose an option: ")

if choice == "1":

task = input("Enter a task: ")

todo.add\_task(task)

elif choice == "2":

todo.view\_tasks()

elif choice == "3":

task\_number = input("Enter task number to update: ")

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

todo.update\_task(task\_number, new\_task)

elif choice == "4":

task\_number = input("Enter task number to delete: ")

todo.delete\_task(task\_number)

elif choice == "5":

print("Goodbye!")

break

else:

print("Invalid option. Please choose again.")

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

main()