import json

class ToDoList:

def \_\_init\_\_(self, filename='todo\_list.json'):

self.filename = filename

self.tasks = self.load\_tasks()

def load\_tasks(self):

try:

with open(self.filename, 'r') as file:

return json.load(file)

except FileNotFoundError:

return []

def save\_tasks(self):

with open(self.filename, 'w') as file:

json.dump(self.tasks, file, indent=4)

def add\_task(self, task):

self.tasks.append({'task': task, 'completed': False})

self.save\_tasks()

def update\_task(self, index, new\_task):

self.tasks[index]['task'] = new\_task

self.save\_tasks()

def complete\_task(self, index):

self.tasks[index]['completed'] = True

self.save\_tasks()

def delete\_task(self, index):

del self.tasks[index]

self.save\_tasks()

def display\_tasks(self):

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

status = "Done" if task['completed'] else "Not Done"

print(f"{i + 1}. {task['task']} - {status}")

def main():

todo\_list = ToDoList()

while True:

print("\nTo-Do List:")

todo\_list.display\_tasks()

print("\nOptions:")

print("1. Add Task")

print("2. Update Task")

print("3. Complete Task")

print("4. Delete Task")

print("5. Exit")

choice = input("Choose an option: ")

if choice == '1':

task = input("Enter the task: ")

todo\_list.add\_task(task)

elif choice == '2':

index = int(input("Enter task number to update: ")) - 1

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

todo\_list.update\_task(index, new\_task)

elif choice == '3':

index = int(input("Enter task number to complete: ")) - 1

todo\_list.complete\_task(index)

elif choice == '4':

index = int(input("Enter task number to delete: ")) - 1

todo\_list.delete\_task(index)

elif choice == '5':

break

else:

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

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

main()