import os

import json

FILE\_NAME = "tasks.json"

def load\_tasks():

if os.path.exists(FILE\_NAME):

with open(FILE\_NAME, "r") as f:

return json.load(f)

return []

def save\_tasks(tasks):

with open(FILE\_NAME, "w") as f:

json.dump(tasks, f, indent=2)

def show\_tasks(tasks):

if not tasks:

print("No tasks found.")

return

print("\nYour To-Do List:")

for i, task in enumerate(tasks, 1):

status = "✓" if task["done"] else "✗"

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

def add\_task(tasks):

task\_text = input("Enter new task: ").strip()

if task\_text:

tasks.append({"task": task\_text, "done": False})

print("Task added.")

else:

print("Task cannot be empty.")

def mark\_done(tasks):

show\_tasks(tasks)

try:

index = int(input("Enter task number to mark as done: ")) - 1

if 0 <= index < len(tasks):

tasks[index]["done"] = True

print("Task marked as done.")

else:

print("Invalid task number.")

except ValueError:

print("Please enter a valid number.")

def delete\_task(tasks):

show\_tasks(tasks)

try:

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

if 0 <= index < len(tasks):

removed = tasks.pop(index)

print(f"Removed task: {removed['task']}")

else:

print("Invalid task number.")

except ValueError:

print("Please enter a valid number.")

def menu():

tasks = load\_tasks()

while True:

print("\n--- To-Do List Menu ---")

print("1. View Tasks")

print("2. Add Task")

print("3. Mark Task as Done")

print("4. Delete Task")

print("5. Exit")

choice = input("Choose an option: ")

if choice == '1':

show\_tasks(tasks)

elif choice == '2':

add\_task(tasks)

elif choice == '3':

mark\_done(tasks)

elif choice == '4':

delete\_task(tasks)

elif choice == '5':

save\_tasks(tasks)

print("Goodbye!")

break

else:

print("Invalid choice. Try again.")

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

menu()