import json

import os

TASKS\_FILE = "tasks.json"

def load\_tasks():

if os.path.exists(TASKS\_FILE):

with open(TASKS\_FILE, "r") as file:

return json.load(file)

return []

def save\_tasks(tasks):

with open(TASKS\_FILE, "w") as file:

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

def show\_tasks(tasks):

if not tasks:

print("No tasks yet!")

else:

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

status = "✓" if task["done"] else "✗"

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

def add\_task(tasks):

title = input("Enter task description: ").strip()

if title:

tasks.append({"title": title, "done": False})

print("Task added.")

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("Invalid input.")

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"Deleted task: {removed['title']}")

else:

print("Invalid task number.")

except ValueError:

print("Invalid input.")

def main():

tasks = load\_tasks()

while True:

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

print("1. Show tasks")

print("2. Add task")

print("3. Mark task as done")

print("4. Delete task")

print("5. Save and 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("Tasks saved. Goodbye!")

break

else:

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

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

main()