import json  
  
class TodoApp:  
 def \_\_init\_\_(self, filename='tasks.json'):  
 self.filename = filename  
 self.load\_tasks()  
  
 def load\_tasks(self):  
 try:  
 with open(self.filename, 'r') as f:  
 self.tasks = json.load(f)  
 except (FileNotFoundError, json.JSONDecodeError):  
 self.tasks = []  
  
 def save\_tasks(self):  
 with open(self.filename, 'w') as f:  
 json.dump(self.tasks, f)  
  
 def add\_task(self, task):  
 self.tasks.append({'task': task, 'completed': False})  
 self.save\_tasks()  
  
 def view\_tasks(self):  
 for index, task in enumerate(self.tasks):  
 status = '✓' if task['completed'] else '✗'  
 print(f"{index + 1}. [{status}] {task['task']}")  
  
 def update\_task(self, index, new\_task):  
 if 0 <= index < len(self.tasks):  
 self.tasks[index]['task'] = new\_task  
 self.save\_tasks()  
  
 def delete\_task(self, index):  
 if 0 <= index < len(self.tasks):  
 del self.tasks[index]  
 self.save\_tasks()  
  
 def mark\_complete(self, index):  
 if 0 <= index < len(self.tasks):  
 self.tasks[index]['completed'] = True  
 self.save\_tasks()  
  
def main():  
 app = TodoApp()  
 while True:  
 command = input("Enter a command (add, view, update, delete, complete, exit): ").strip()  
 if command == 'add':  
 task = input("Enter task: ")  
 app.add\_task(task)  
 elif command == 'view':  
 app.view\_tasks()  
 elif command == 'update':  
 index = int(input("Enter task number to update: ")) - 1  
 new\_task = input("Enter new task: ")  
 app.update\_task(index, new\_task)  
 elif command == 'delete':  
 index = int(input("Enter task number to delete: ")) - 1  
 app.delete\_task(index)  
 elif command == 'complete':  
 index = int(input("Enter task number to mark complete: ")) - 1  
 app.mark\_complete(index)  
 elif command == 'exit':  
 break  
 else:  
 print("Unknown command.")  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 main()