1. Download from <https://github.com/nakov/ContactBook> and run localy

git clone https://github.com/nakov/ContactBook

cd ContactBook

npm install

npm start

start http://localhost:8080/api

The **"ContactBook" Web app** supports the following operations:

* Add a new contact by given contact data
* View all contacts
* View contact details
* Search contacts by keyword

The following **API endpoints** are supported:

* GET /api – list all API endpoints
* GET /api/contacts – list all contacts (returns JSON array of contacts)
* GET /api/contacts/:id – view contact details by id (returns JSON object)
* GET /api/contacts/search/:keyword – find contact by keyword
* POST /api/contacts – create a new contact
  + Post a JSON object in the request body, e. g.  
    {"firstName":"Marie", "lastName":"Curie", "email":"marie67@gmail.com", "phone":"+1 800 200 300", "comments":"Old friend"}
  + Fields firstName, lastName and phone are mandatory
* DELETE /api/contacts/:id – delete a contact by id

RESTful API: Automated API Tests

write **automated tests** for the above provided API endpoints. You should implement the following automated tests:

* List contacts and assert that the first contact is “Steve Jobs”
* Find contacts by keyword “albert” and assert that the first result holds “Albert Einstein”
* Find contacts by keyword “missing{*randnum*}” and assert that the results are empty
* Try to create a new contact, holding invalid data, and assert an error is returned
* Create a new contact, holding valid data, and assert the new contact is added and is properly listed in the contacts list