

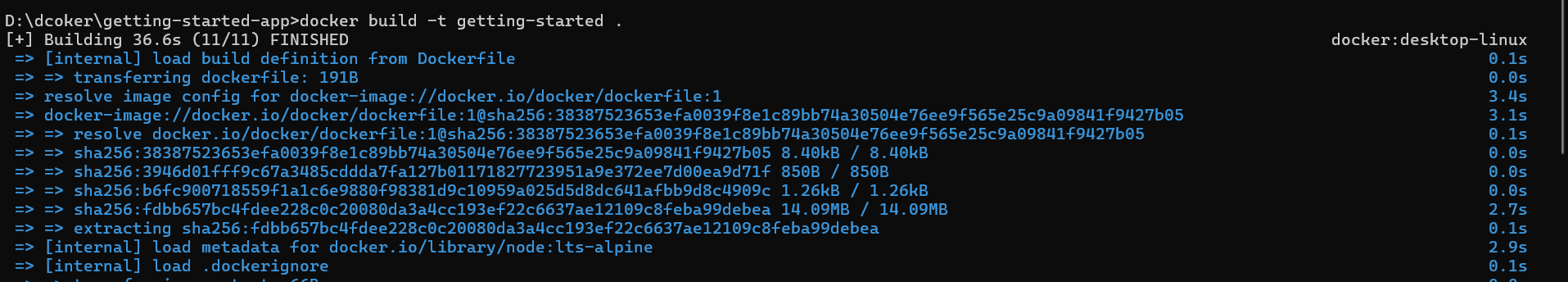
**Update the application**

Update the Source Code:

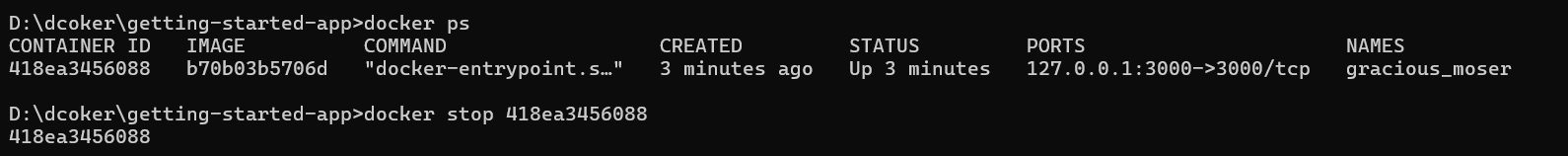
Open the file **src/static/js/app.js** in a text editor.

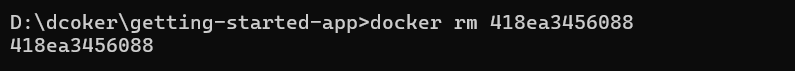
change the text from No items yet! Add one above! to You have no todo items yet! Add one above!.

Build the New Image:



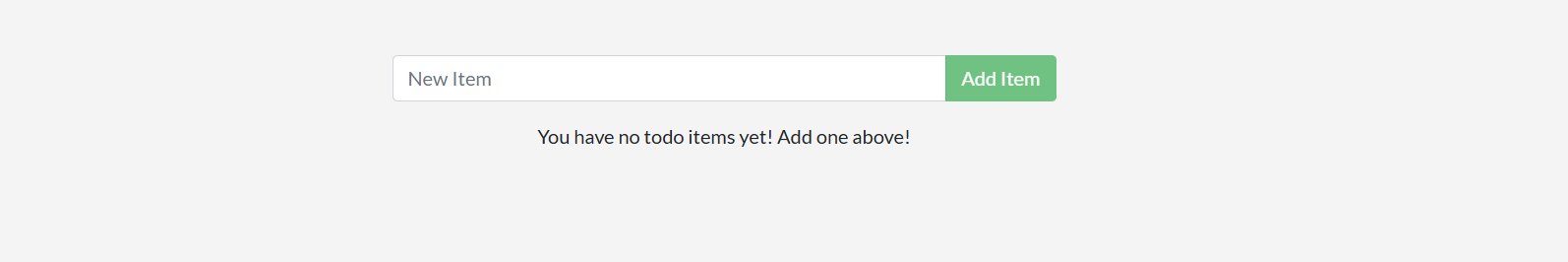
Stop and Remove the Old Container:





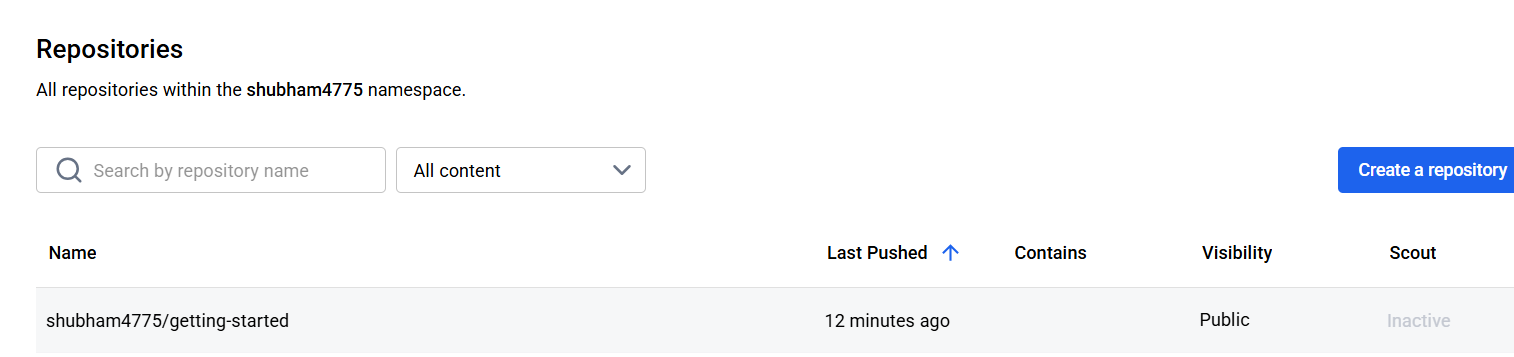
Run the Updated Application:

docker run -dp 127.0.0.1:3000:3000 getting-started

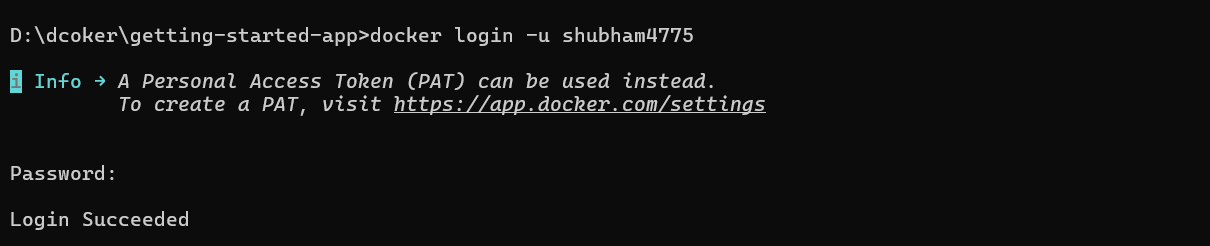


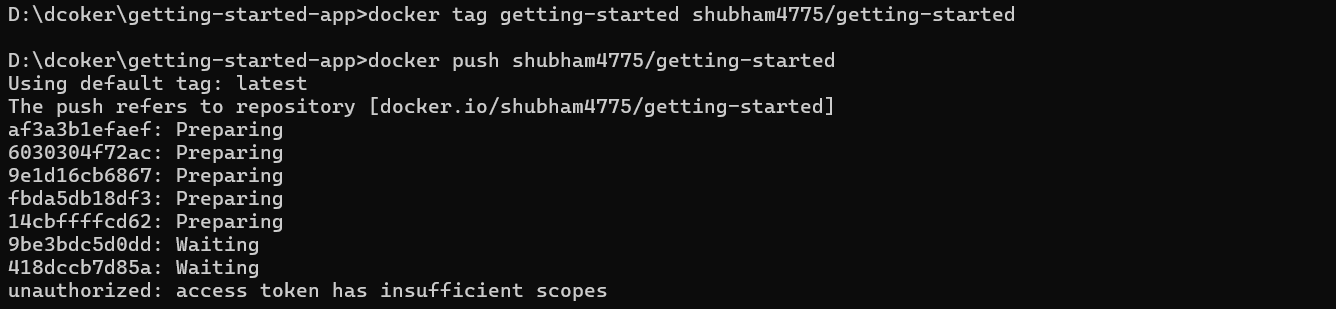
**Share the application**

Create a Repository on Docker Hub

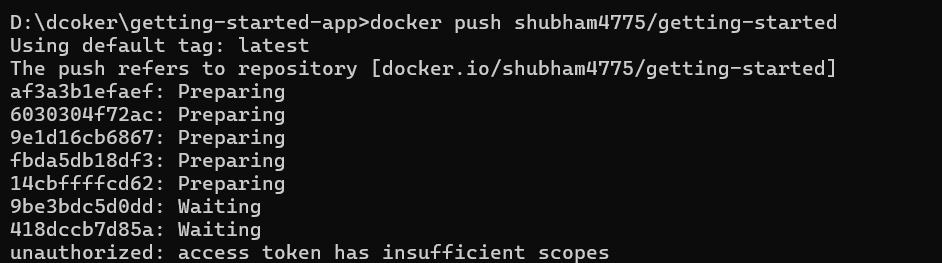


Sign In and Tag Your Image

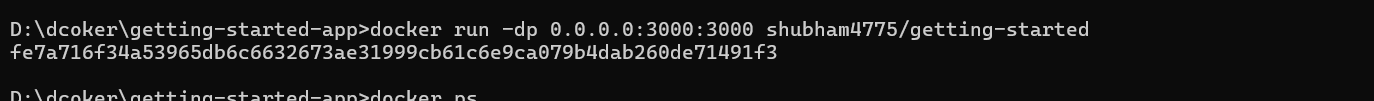




Push the Image to Docker Hub



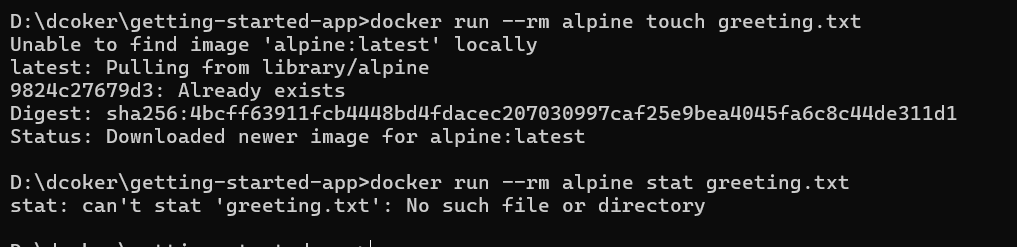
Run the Image on a New Instance



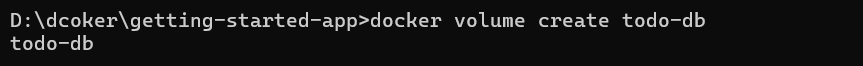
**Persist the DB**

The container filesystem:

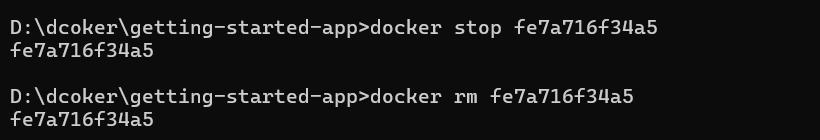
**docker run --rm alpine touch greeting.txt**

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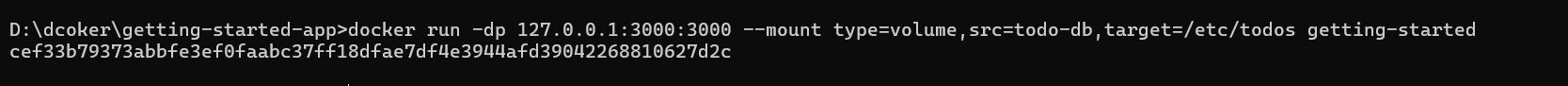
Create a Docker Volume

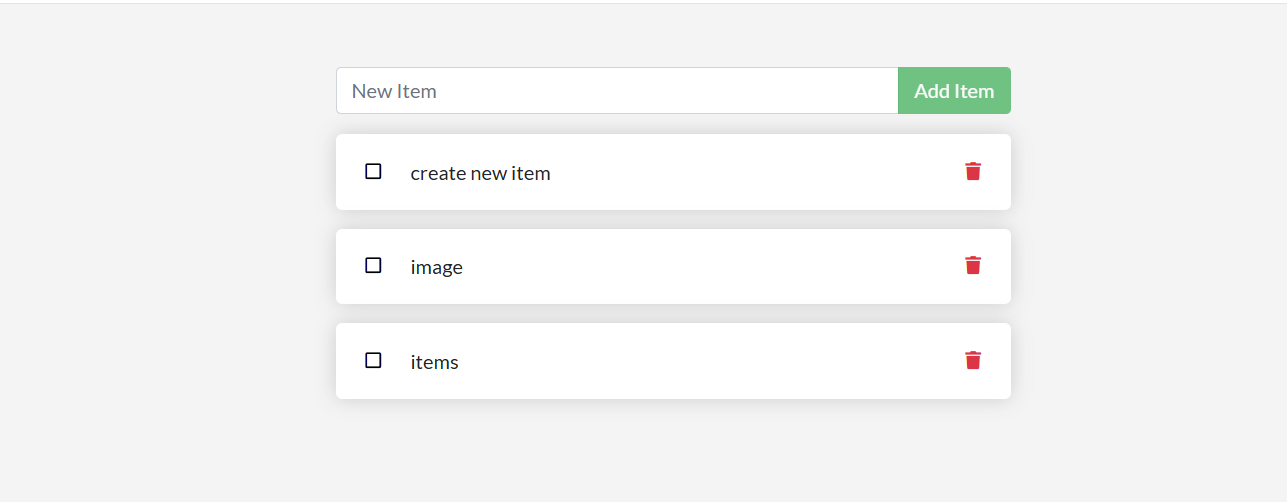


Stop the Old Container

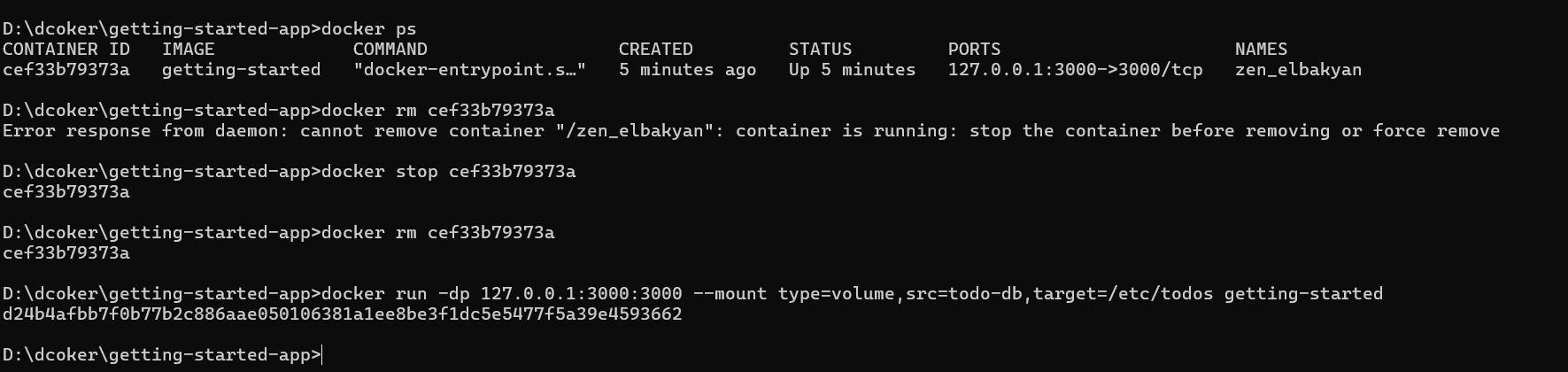


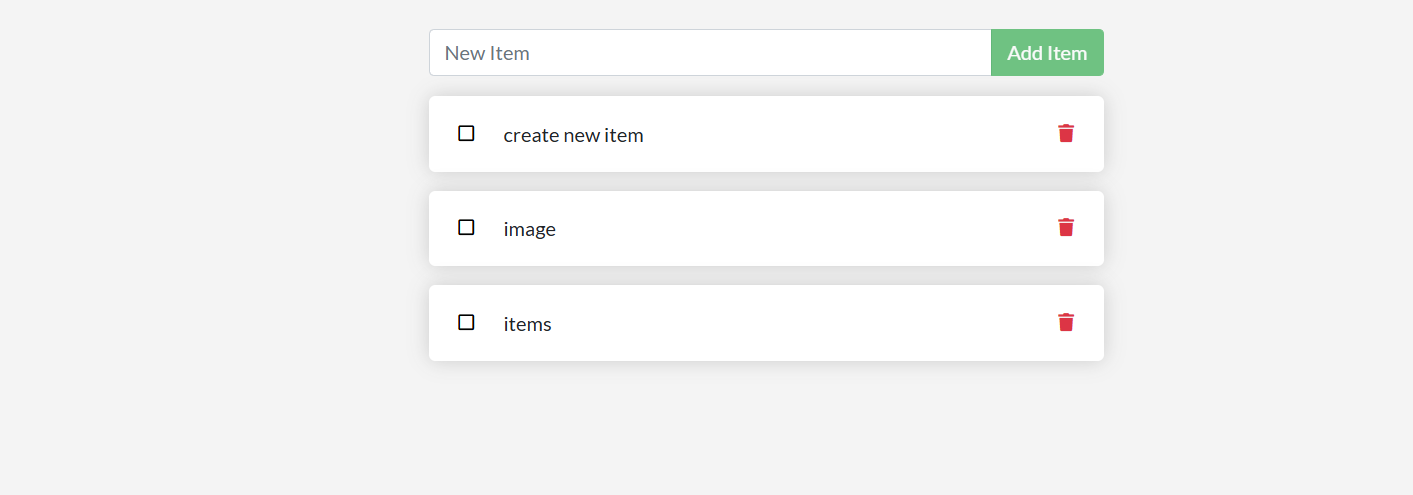
Run a New Container with the Volume





Verify That the Data Persists

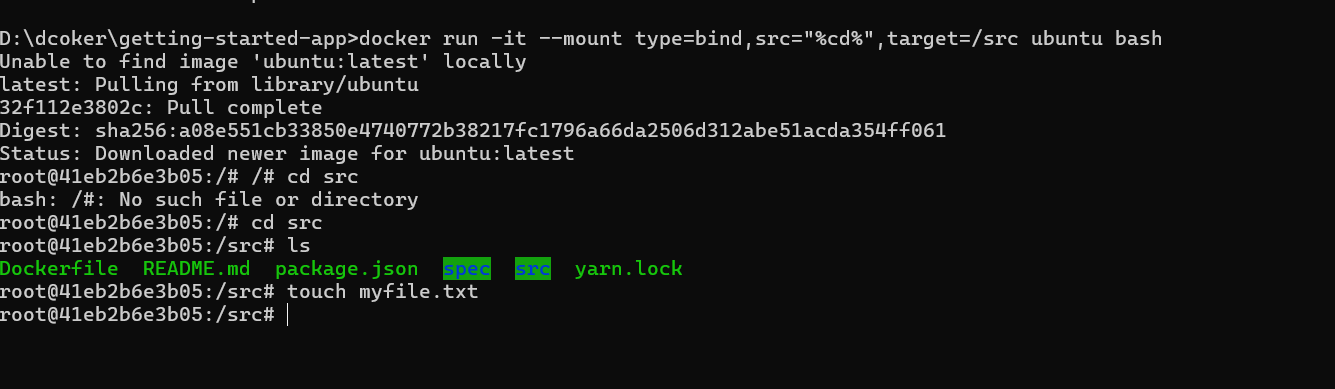


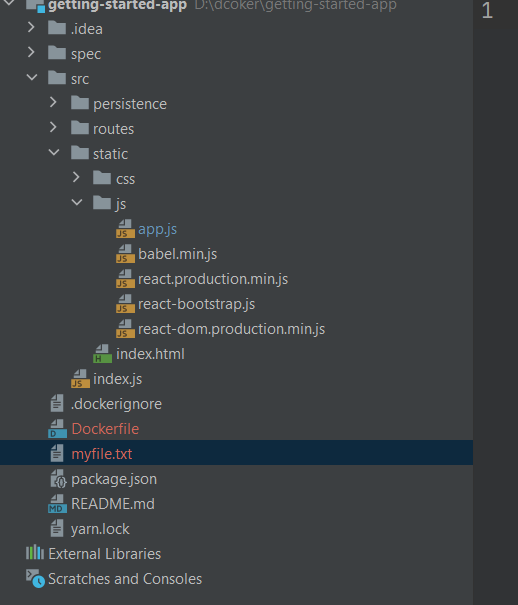


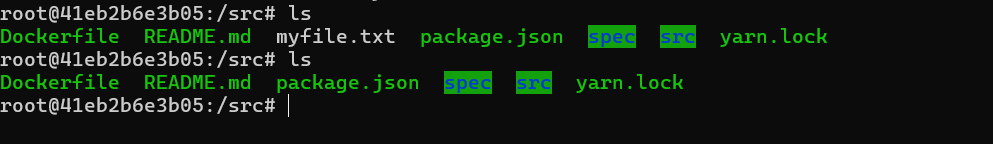


**Use bind mounts**

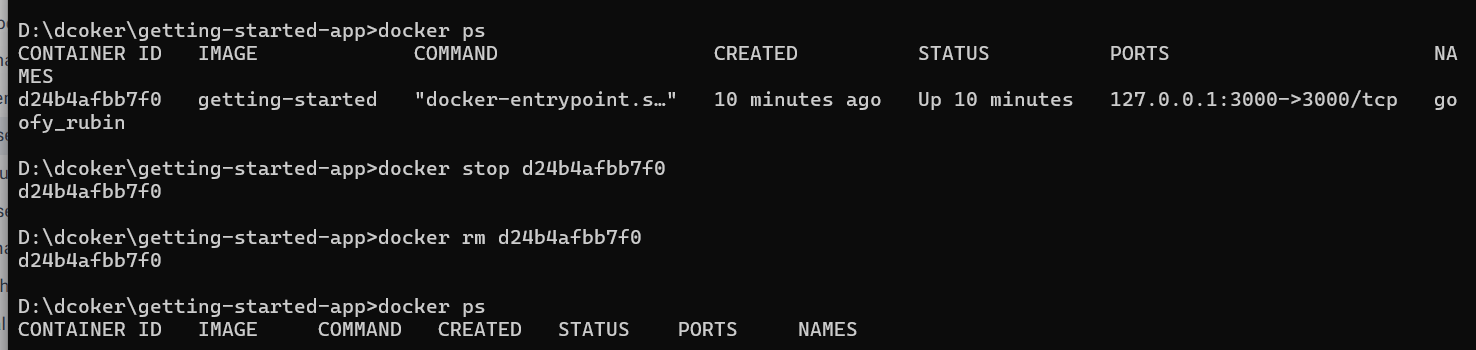
Trying out bind mounts:





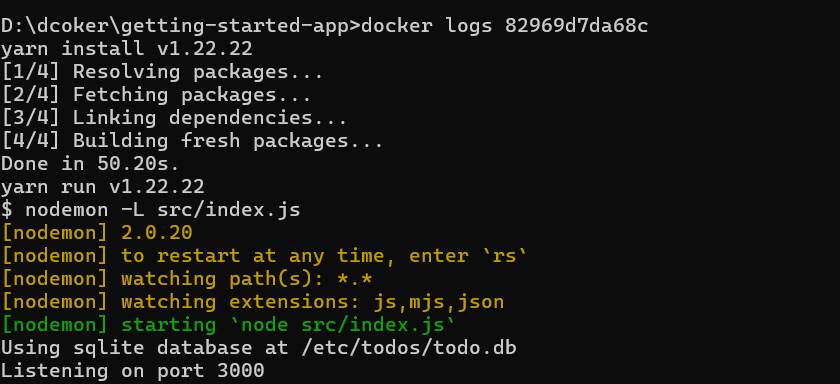


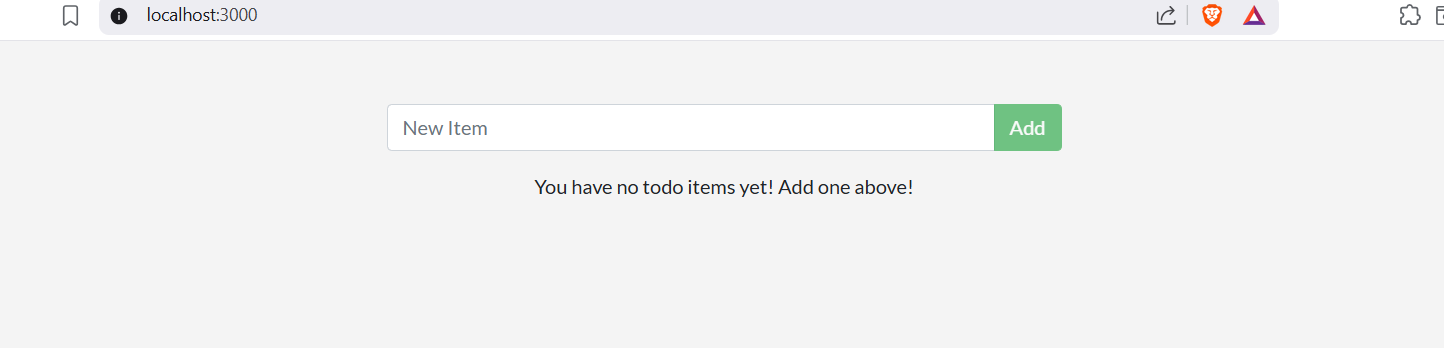
Development containers:

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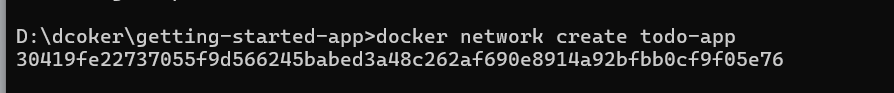
Logs:

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**Multi container apps :**

Start mysql

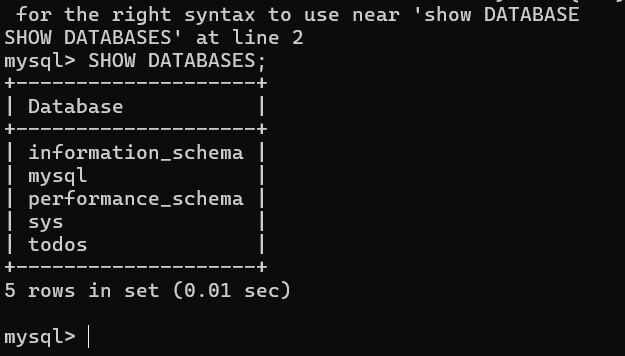


Run mysql :

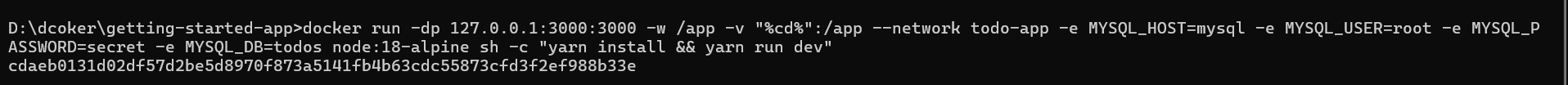
docker run -d --network todo-app --network-alias mysql -v todo-mysql-data:/var/lib/mysql -e MYSQL\_ROOT\_PASSWORD=secret -e MYSQL\_DATABASE=todos mysql:8.0



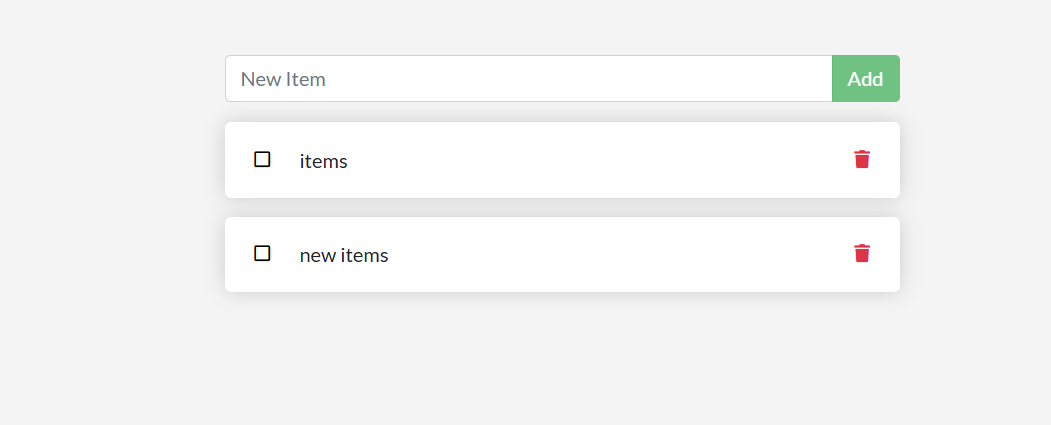
Verify the database connection:

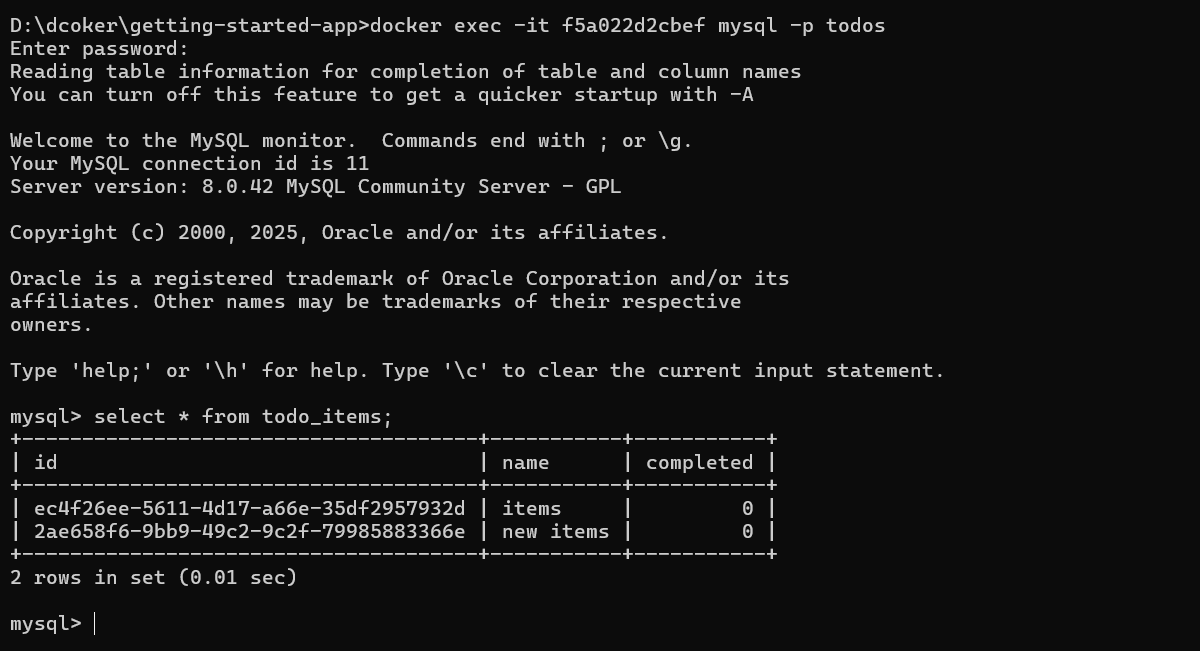


Connect to MySQL:



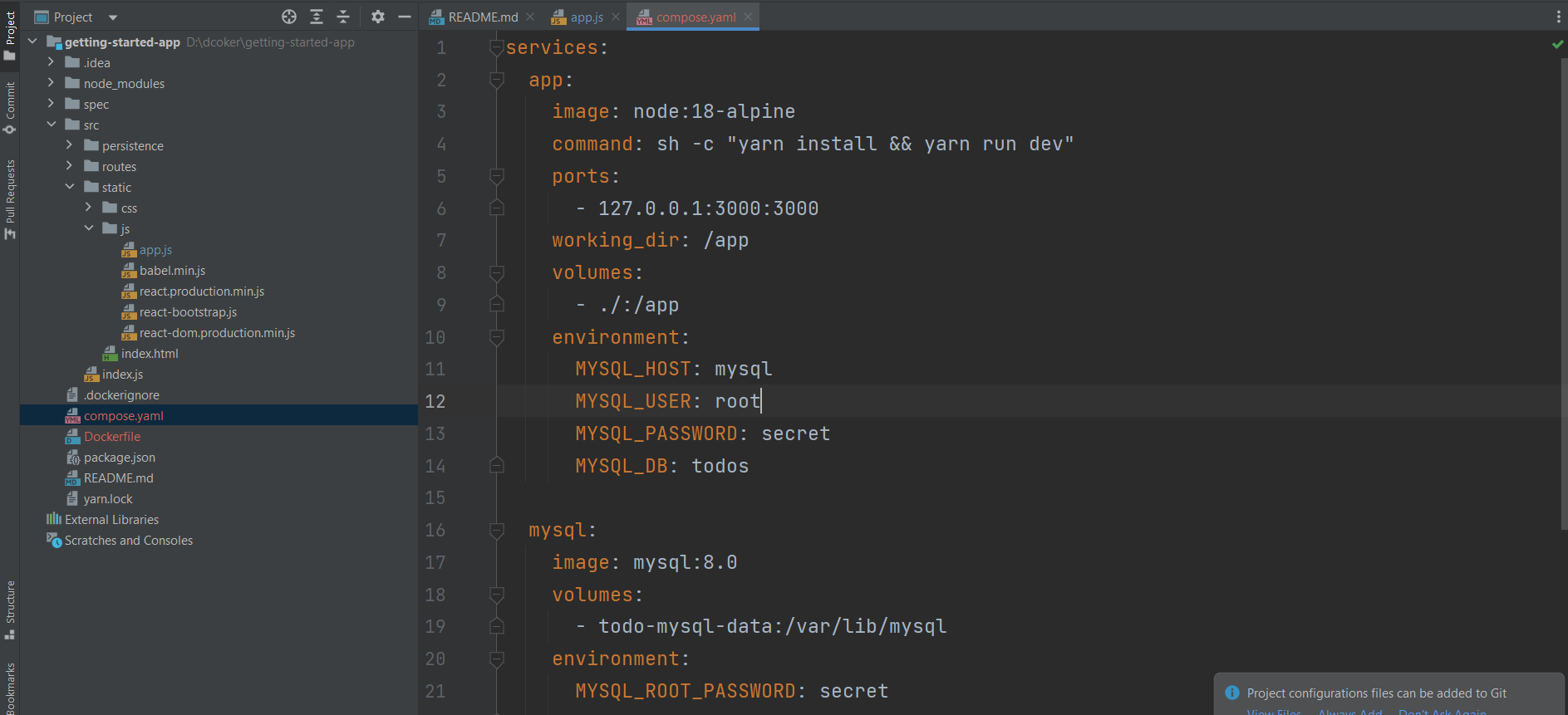
Added some items



DB items added in table   


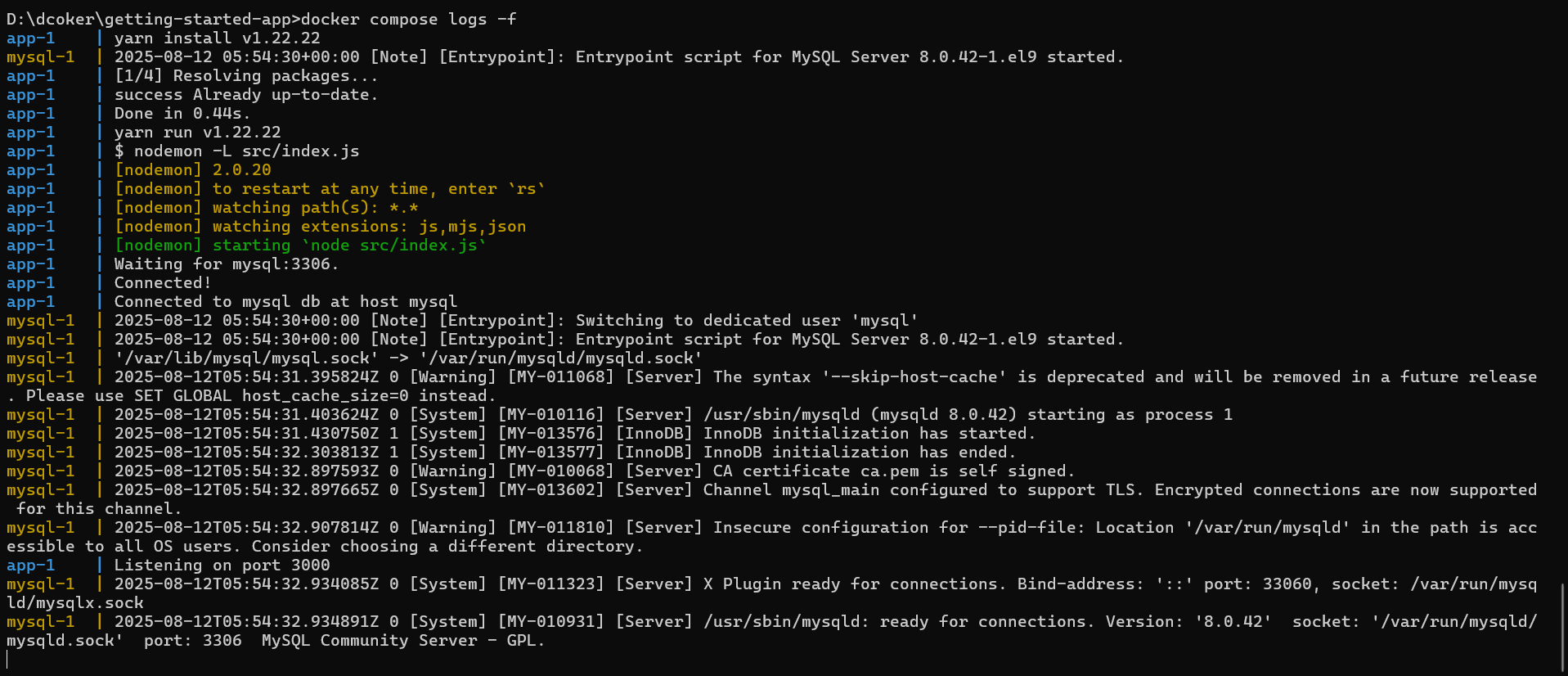
**Use Docker Compose**

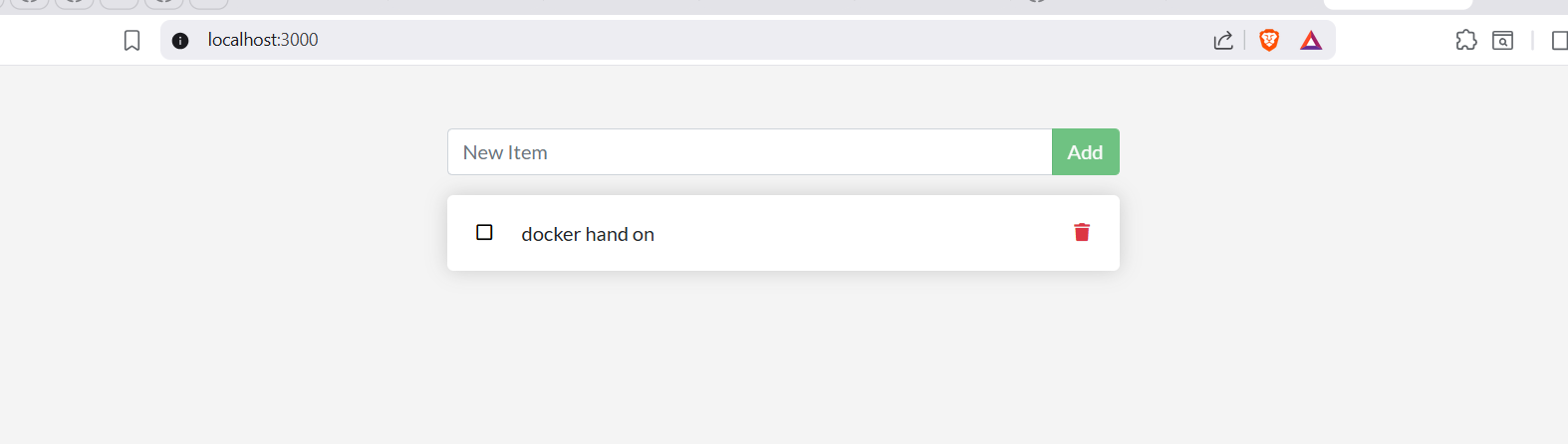
Create compose.yaml file in application



Running the application

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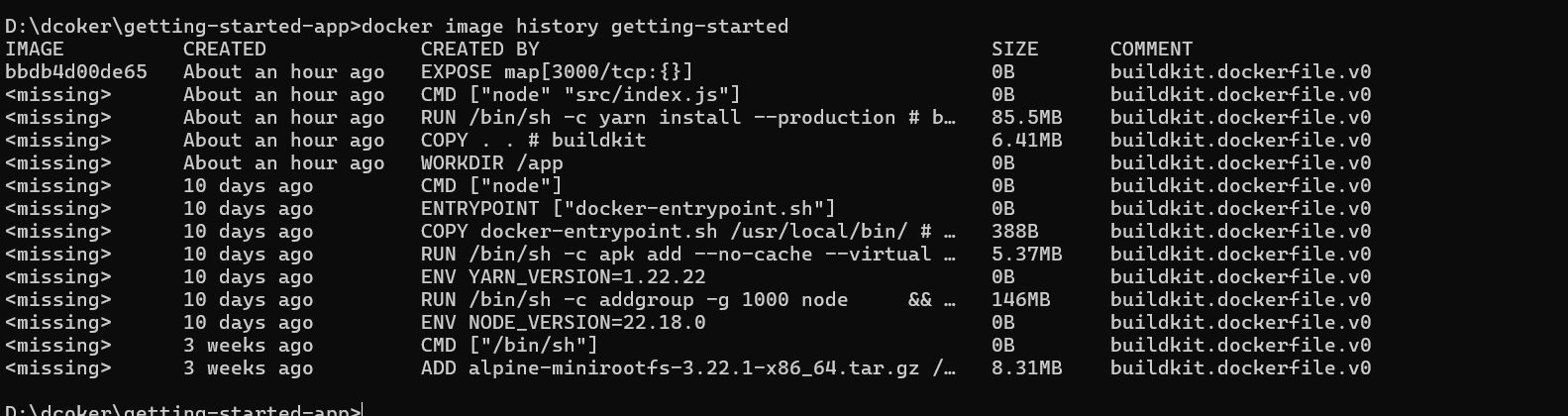
****

Stopping the docker compose



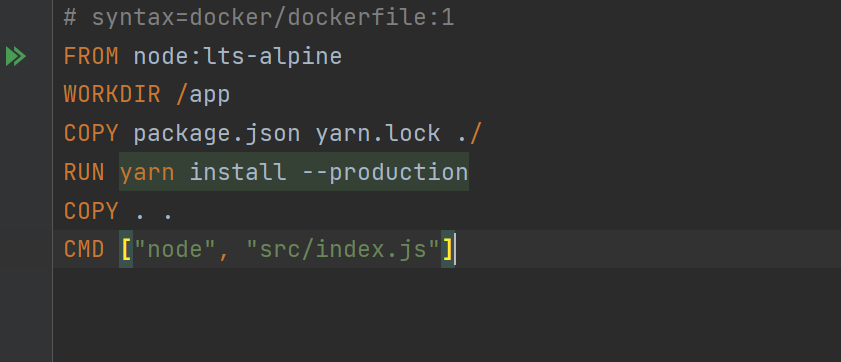
**Image-building best practices**

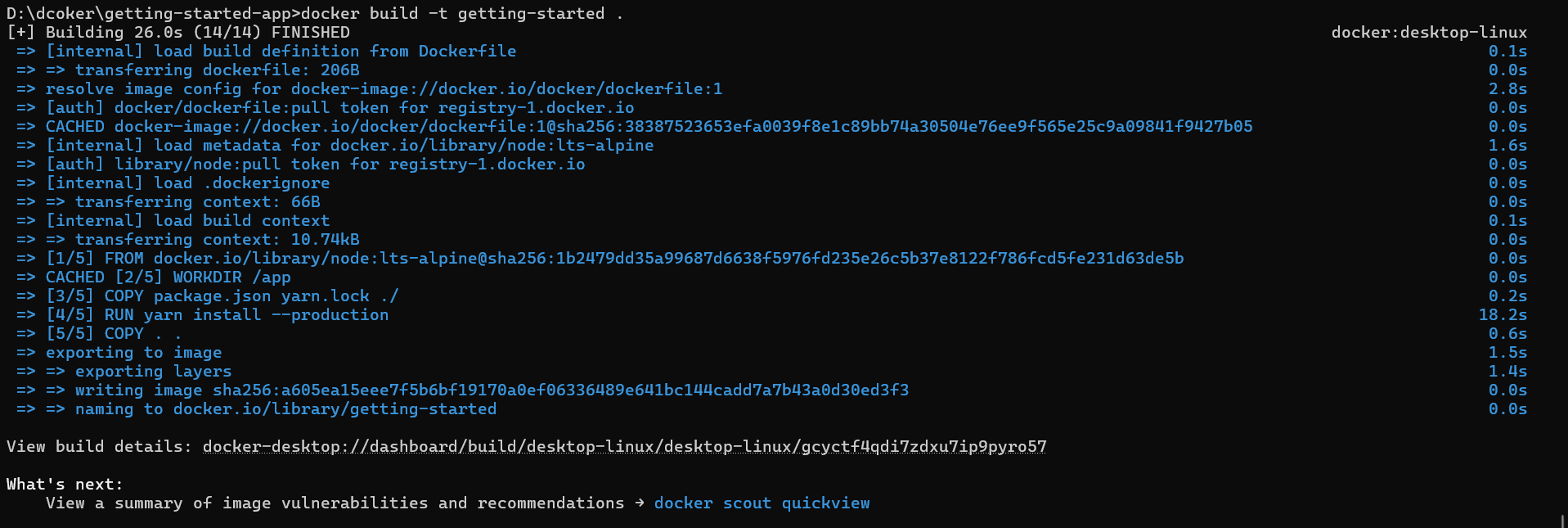
Image Layering



Layer cashing

Updated dockerfile and build new image





Updated the title in index.html  
