Group Member’s Name:-

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In Main.py file we remove the logs that were saving in the txt ,Config the Environment and change the Todo_File_Name address.

app_that_doesnt_follow_best_practices > main.py > ...

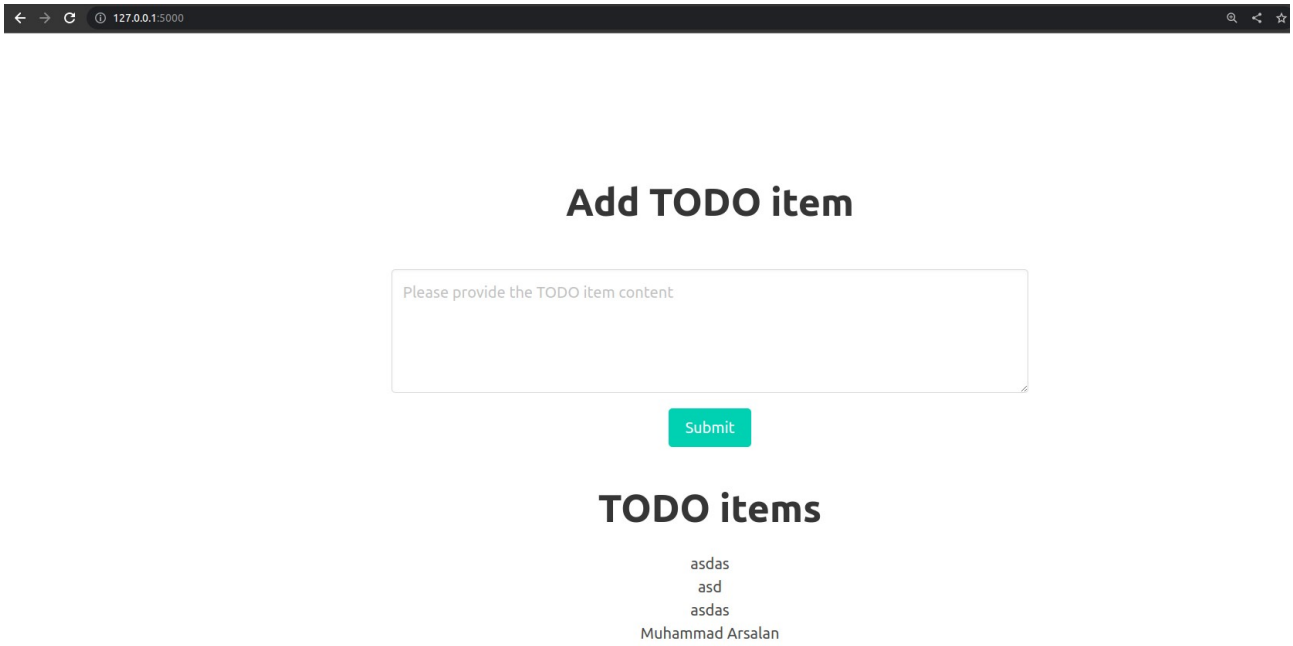
```python
import json
import logging
import threading
import time
import os
import sys

from flask import Flask, render_template, request

app = Flask(__name__)
app.debug = True

logging.basicConfig(
    stream=sys.stdout,
    level=logging.INFO,
    format="%(asctime)s,%(msecs)d %(name)s %(levelname)s %(message)s",
    datefmt="%H:%M:%S",
)

TODO_FILE_NAME = "/app/data/todo.json"
if os.path.exists(TODO_FILE_NAME):
    with open(TODO_FILE_NAME) as f:
        TODO_ITEMS = json.load(f)
else:
    TODO_ITEMS = []


def periodically_save_todo_items():
    time.sleep(10)
    with open(TODO_FILE_NAME, "w") as f:
        json.dump(TODO_ITEMS, f)


saving_thread = threading.Thread(target=periodically_save_todo_items)
saving_thread.start()


@app.route("/", methods=["GET", "POST"])
def main():
    if request.method == "POST":
        content = request.form["content"]
        TODO_ITEMS.append(content)

    return render_template("index.html", todo_items=TODO_ITEMS)

if __name__ == "__main__":
    if os.environ.get("DEBUG") == "true":
        app.debug = True
        os.environ["FLASK_ENV"] = "development"
    else:
        os.environ["FLASK_ENV"] = "production"

    app.run(host="0.0.0.0")
```

Create an Docker-Compose.yaml file in that file we create an volume to persist the data and set the ports etc.

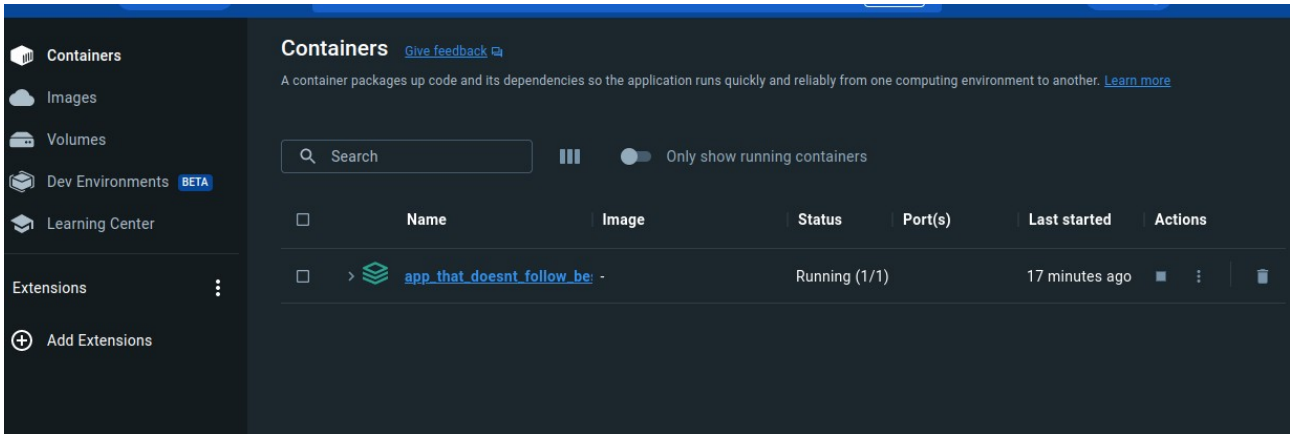
app_that_doesnt_follow_best_practices > docker-compose.yaml

```yaml
version: '3'

services:
  app:
    build: .
    ports:
      - "5000:5000"
    volumes:
      - todo:/app/todo
    environment:
      - FLASK_ENV=development
      - FLASK_APP=main.py
      - FLASK_DEBUG=1
    command: flask run --host=0.0.0.0

volumes:
  todo:

```

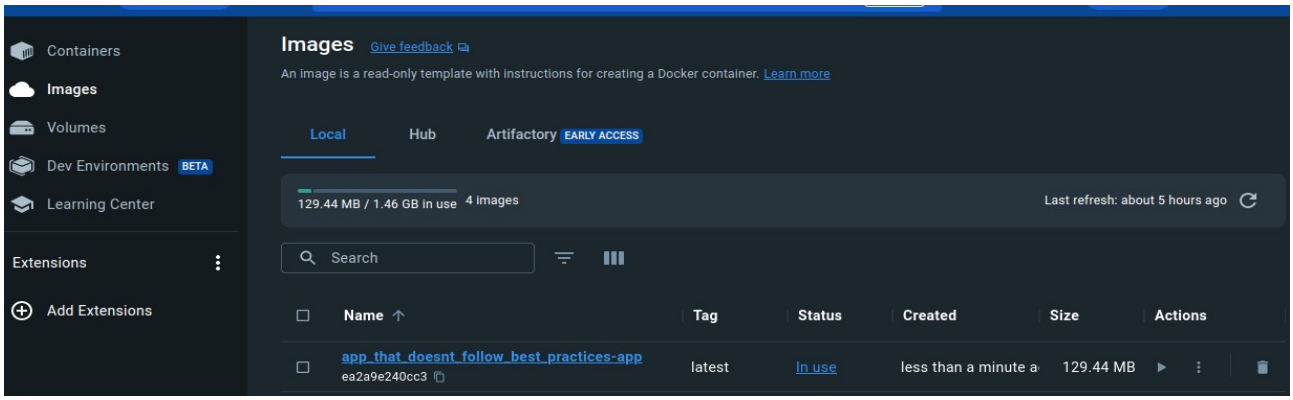
Open todo and add the data in it.



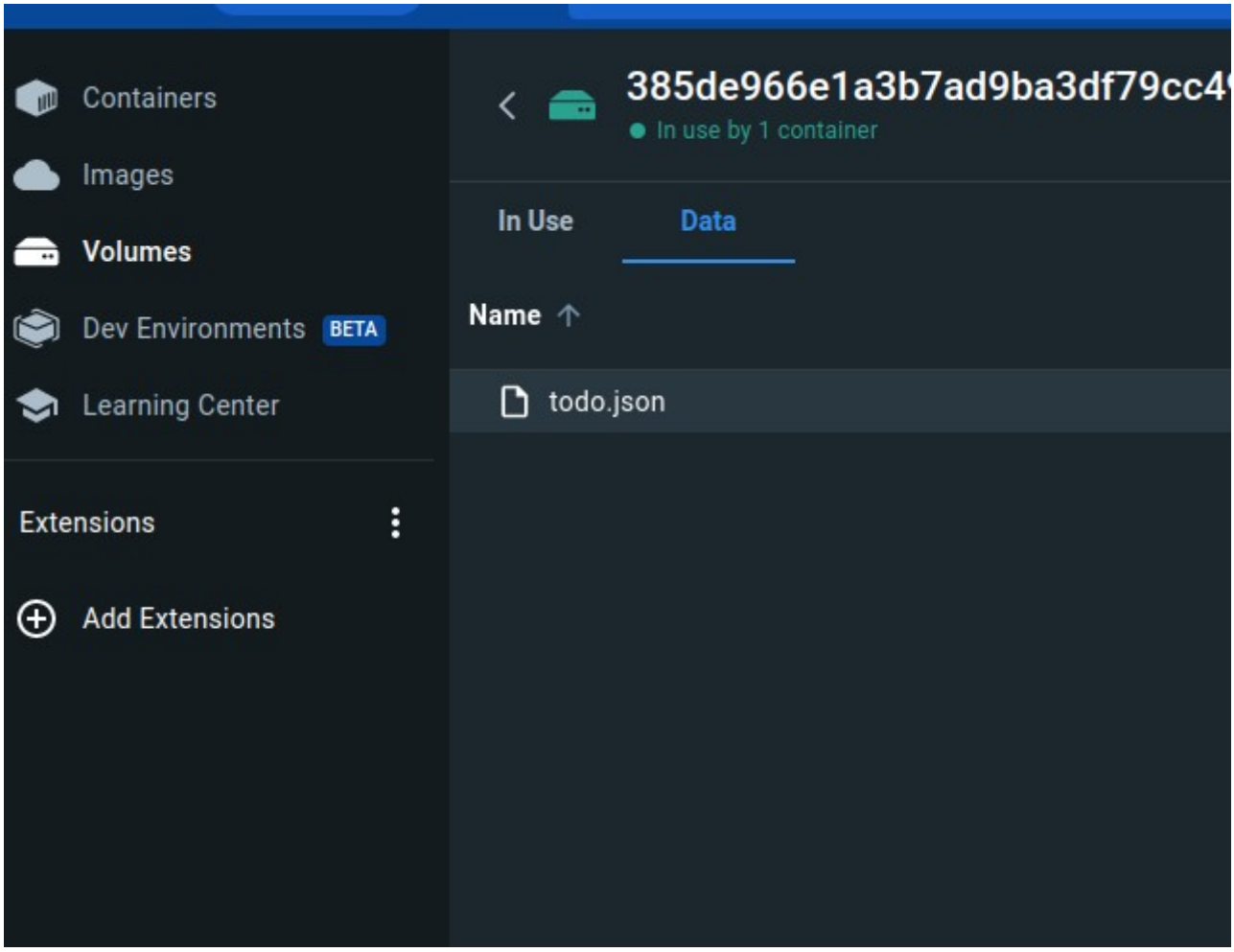
Then open Docker Desktop and see the Container in it.



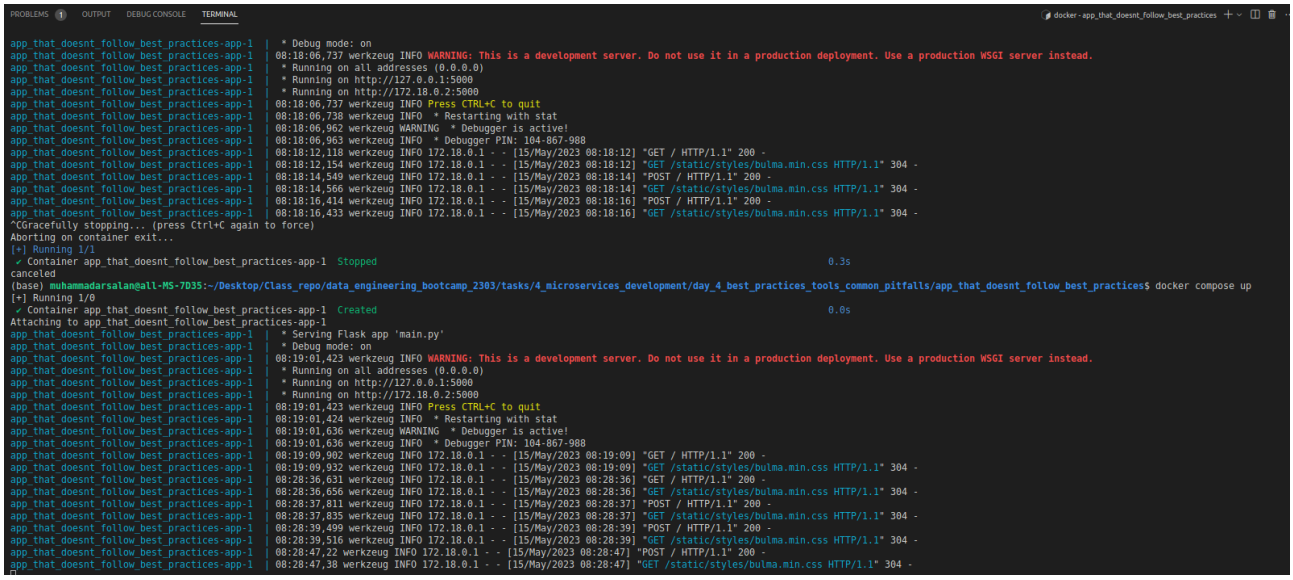
Then click the Image and see the Image.



Then click the volumes and see the todo.json file in Data section.



Here we can see the logs in terminals.



And here the Json file where we can see the data.