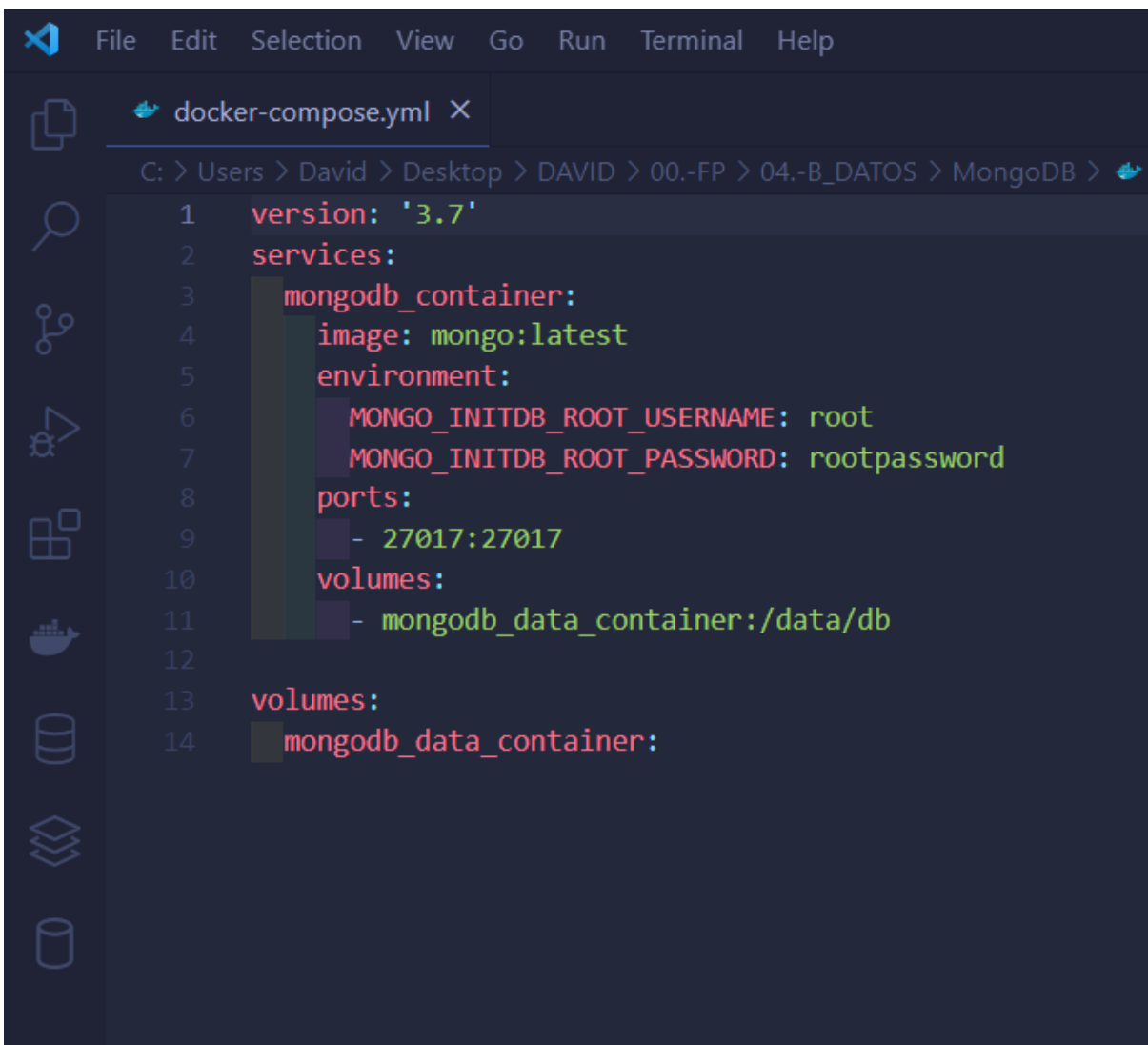


```
david@LAPTOP-UQ114ETA:/mnt/c/Users/David/Desktop/DAVID/00.-FP/04.-B_DATOS$ cd MongoDB/
david@LAPTOP-UQ114ETA:/mnt/c/Users/David/Desktop/DAVID/00.-FP/04.-B_DATOS/MongoDB$ ls
docker-compose.yml
```

The screenshot shows the Visual Studio Code editor interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The file explorer on the left shows the project structure: C: > Users > David > Desktop > DAVID > 00.-FP > 04.-B_DATOS > MongoDB. The main editor area displays the content of the 'docker-compose.yml' file. The file is a YAML configuration for a Docker Compose service named 'mongodb_container'. It specifies the image as 'mongo:latest', sets environment variables for 'MONGO_INITDB_ROOT_USERNAME' to 'root' and 'MONGO_INITDB_ROOT_PASSWORD' to 'rootpassword', maps port '27017' to '27017', and mounts a volume 'mongodb_data_container' to '/data/db'. A separate 'volumes' section defines the 'mongodb_data_container'.

Creamos el archivo do docker-compose.yml











```
david@LAPTOP-UQ114ETA:/mnt/c/Users/David/Desktop/DAVID/00.-FP/04.-B_DATOS/MongoDB$ docker-compose up
[+] Running 10/10
✓ mongodb_container 9 layers [#####] 0B/0B Pulled 14.5s
  ✓ 1bc677758ad7 Pull complete 2.6s
  ✓ 7eb83bb7be98 Pull complete 2.7s
  ✓ e95121721c4c Pull complete 2.9s
  ✓ 799041b403ca Pull complete 3.0s
  ✓ 1828e70ef29a Pull complete 3.1s
  ✓ 8e3781beae9e Pull complete 3.2s
  ✓ 5d5753162333 Pull complete 3.2s
  ✓ 44dd404b40f4 Pull complete 12.0s
  ✓ 44599c9d5d1b Pull complete 12.1s
[+] Running 3/3
✓ Network mongodb_default Created 0.7s
✓ Volume "mongodb_mongodb_data_container" Created 0.0s
✓ Container mongodb-mongodb_container-1 Created 2.7s
```

Ejecutamos el comando para crear el contenedor de docker de MongoDB.

Comprobamos que se está ejecutando.

```
david@LAPTOP-UQ114ETA:/mnt/c/Users/David/Desktop/DAVID/00.-FP/04.-B_DATOS/MongoDB$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                NAMES
3270727ac35c   mongo:latest   "docker-entrypoint.s..." 3 minutes ago  Up 9 seconds  0.0.0.0:27017->27017/tcp  mongodb
-mongodb_container-1
david@LAPTOP-UQ114ETA:/mnt/c/Users/David/Desktop/DAVID/00.-FP/04.-B_DATOS/MongoDB$
```

```
david@LAPTOP-UQ114ETA:/mnt/c/Users/David/Desktop/DAVID/00.-FP/04.-B_DATOS/MongoDB$ docker volume ls
DRIVER      VOLUME NAME
local       33ae1ad74ca23428734d1602b9c1b4e429a2fa2652b6b1b2fa41a528d2ebb65d
local       39f21908f399f71288b522180f99dca520d02e7ae4f5e19df81af544e3ed41d1
local       43c9a6054b6b59b1145cef84259b175ead7c1882ab81cf3d3ae73ab7bf585019
local       63d55e08278136d6f88dc0178e9bac9da9594c2d7195f5fc026c2d9b4450f37f
local       92e89a2898ecdffa167fe8d97e43730b81e0c46484f2db17b2717e3e4aeec6e2e
local       96c5bba9f6bb8e45d99f97a3d54f89c5e8f664e8a93c56df041c0e06b2fcdeb8
local       99a1d1003fa182eae789ee48a2014e7bcae83ced6e99e234bf52c3256fb7973
local       1794e1a61ce099bde8d5d72319c100487624afda876e0cac6e1376e45f3e847d
local       4173ab58a1d633b61a401aa5acde4bcd66a8e06fdecfc4224ef0ed5666ab5ddc
local       44755502d6e3b3e2d9123afe79a502b2b660a7c0ac69899e286ce250707b14b8
local       b6caad65971a33bad22cad5fbf4815551e5eac875169735be21c02f12e775b69
local       b67d48b9b517c622fb12cdece54b011545db53e599dfe386e92e52bf0aa04c15
local       b231ed5d7673663fa119d7370a6f2bb2446fe5f5b7cf8da1eb16a6d1dae1b3eb
local       cabf3b2d23f9aa6f823e3a5e7ac7e23728f348c4165134797d739a8dcdbdf730e
local       e4c9807d5e0e712e6ae440bdd2eff014b6c32e8516a9835130dece2817e3a879
local       e0851dae70c7decdb0ceb0f295ef9c891530a9e7b911b524762159e896af7518
local       e9226e530a965ea8f5a52af869176f4f3be6087b29ce402e6318e7dd32705f3d
local       mongodb_mongodb_data_container
david@LAPTOP-UQ114ETA:/mnt/c/Users/David/Desktop/DAVID/00.-FP/04.-B_DATOS/MongoDB$
```

<input type="checkbox"/>	<div> mongodb</div>	Running (1/1)	5 minutes ago				
<input type="checkbox"/>	<div> mongodb_container- 3270727ac35c </div> mongo:latest	Running	27017:27017 	5 minutes ago			

Probamos a conectarnos a la base de datos

```
# mongosh admin -u root -p rootpassword
Current Mongosh Log ID: 6457ddd26860b33280845b3c
Connecting to:      mongodb://<credentials>@127.0.0.1:27017/admin?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.8.2
Using MongoDB:      6.0.5
Using Mongosh:      1.8.2

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.
```

```
admin> show dbs
admin    100.00 KiB
config   60.00 KiB
local    72.00 KiB
admin> use mydatabase
switched to db mydatabase
mydatabase>
```

Con el comando 'exit' salimos de mydatabase

```
admin> show collections
system.users
system.version
admin> 
```

```
admin> db.system.users.find()
[
  {
    _id: 'admin.root',
    userId: new UUID("8b821f34-5799-438c-878e-a7398d353687"),
    user: 'root',
    db: 'admin',
    credentials: {
      'SCRAM-SHA-1': {
        iterationCount: 10000,
        salt: 'eRLV6NG6D8mne8RCw0dXPQ==',
        storedKey: '6XCG709z4oLHx6wCknhm0uysP/k=',
        serverKey: 'ncMGpyE747zeSnr5/Iz6YQwodao='
      },
      'SCRAM-SHA-256': {
        iterationCount: 15000,
        salt: 'NvLl3Z18Mth4z7Hx870jSN/Ac9RVlWFHzqrQUw==',
        storedKey: '0ERoycCzWQ6Xno39CjWKY5bBTm2oPH0gbGwyBiX24sk=',
        serverKey: 'pWqmCXjkkgeQ3SEl2ESvRULfG1ct5fZs/5QlVdyR/i8='
      }
    },
    roles: [ { role: 'root', db: 'admin' } ]
  }
]
admin>
```

```
admin> db.system.users.save({"name": "Sony AK"})
```

```
mydatabase> db.version()
6.0.5
```

```
david@LAPTOP-UQ114ETA:~$ docker-compose stop
```

