

Aluna: Carla Beatriz da Silva Teixeira

Turma: Tecnologia em Telemática (noturno)

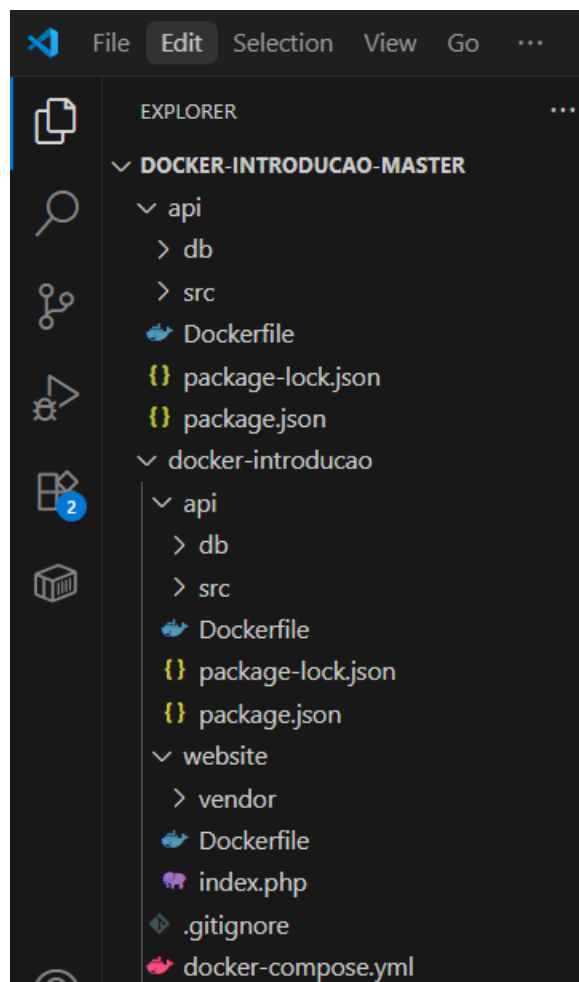
Professor: Taveira – ASR (2025.1)

ATIVIDADE 06 – DOCKER COMPOSE (PRÁTICA)

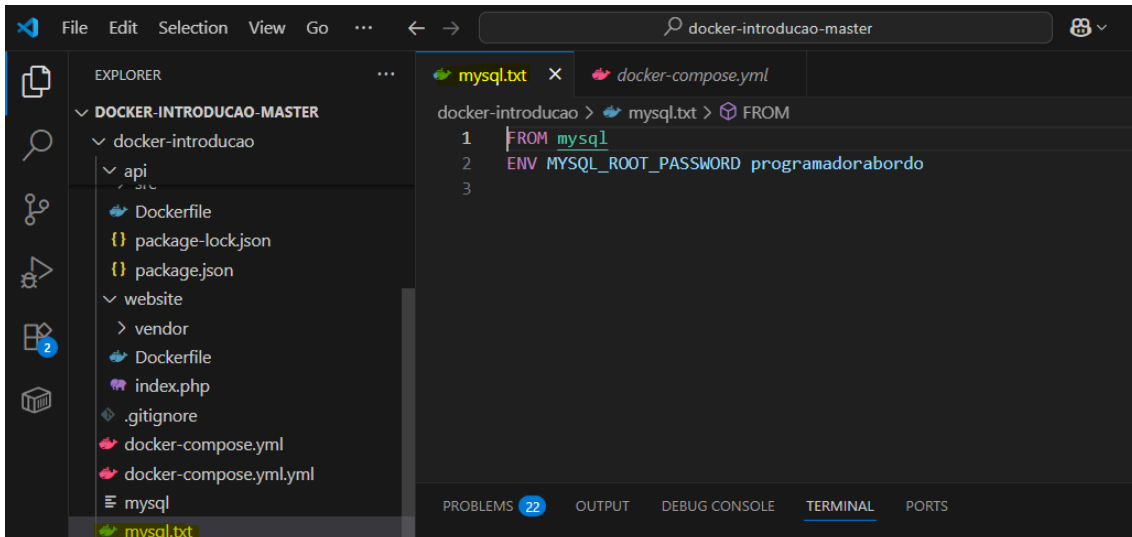
Fonte: Programador A Bordo (Youtube)

HTTPS: <https://github.com/ayrtonteshima/docker-introducao.git>

- EXPLORER (Visual Studio Code) com evidências de uso e configuração de todas as extensões, files..

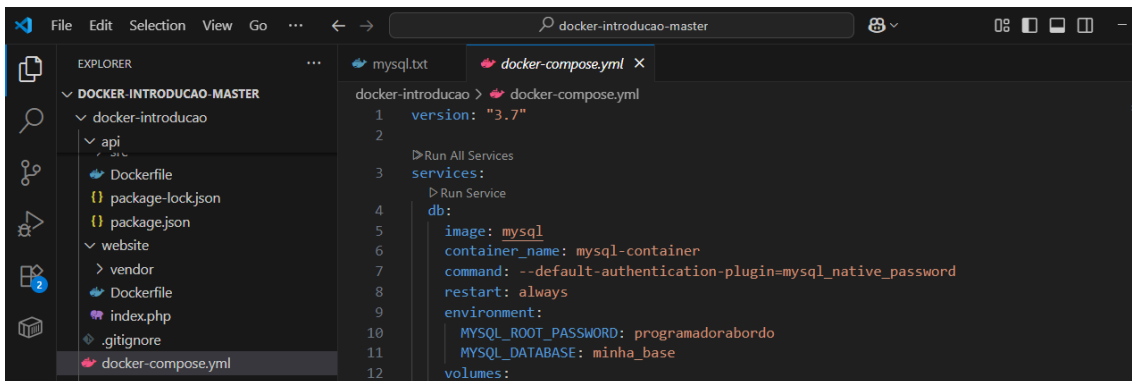


- **MySQL – Visual Studio Code**

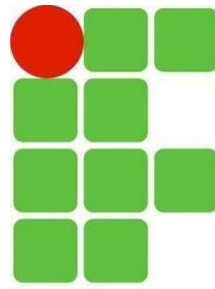


```
docker-introducao > mysql.txt > FROM
1 FROM mysql
2 ENV MYSQL_ROOT_PASSWORD programadorabordo
3
```

- **Código para uso do Docker Compose, de tal forma que trabalhe com as 3 variantes do exemplo do tutorial do vídeo (MySQL (db); API (node) e PHP com Apache**



```
1 version: "3.7"
2
3 services:
4   db:
5     image: mysql
6     container_name: mysql-container
7     command: --default-authentication-plugin=mysql_native_password
8     restart: always
9     environment:
10      MYSQL_ROOT_PASSWORD: programadorabordo
11      MYSQL_DATABASE: minha_base
12     volumes:
```



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```
File Edit Selection View Go ... docker-introducao-master
```

EXPLORER

- DOCKER-INTRODUCAO-MASTER
 - docker-introducao
 - api
 - Dockerfile
 - package-lock.json
 - package.json
 - website
 - vendor
 - Dockerfile
 - index.php
 - .gitignore

mysql.txt docker-compose.yml

```
docker-introducao > docker-compose.yml
3  services:
4    db:
9    environment:
12   volumes:
13     - ./api/db/data:/var/lib/mysql
14
15   > Run Service
16   api:
17     build:
18       context: ./api
19     container_name: node-container
20     restart: always
21     volumes:
22       - ./api:/home/node/app
```

```
File Edit Selection View Go ... docker-introducao-master
```

EXPLORER

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mysql.txt docker-compose.yml

```
docker-introducao > docker-compose.yml
3  services:
15   api:
22     ports:
23       - "9001:9001"
24     depends_on:
25       - db
26
27   > Run Service
28   web:
29     image: php:7.2-apache
30     container_name: php-container
31     restart: always
32     volumes:
33       - ./website:/var/www/html
```

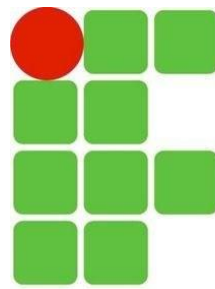
```
File Edit Selection View Go ... docker-introducao-master
```

EXPLORER

- DOCKER-INTRODUCAO-MASTER
 - docker-introducao
 - api
 - Dockerfile
 - package-lock.json
 - package.json
 - website
 - vendor
 - Dockerfile
 - index.php
 - .gitignore

mysql.txt docker-compose.yml

```
docker-introducao > docker-compose.yml
3  services:
27   web:
29     container_name: php-container
30     restart: always
31     volumes:
32       - ./website:/var/www/html
33     ports:
34       - "8888:80"
35     depends_on:
36       - db
37       - api
38
```

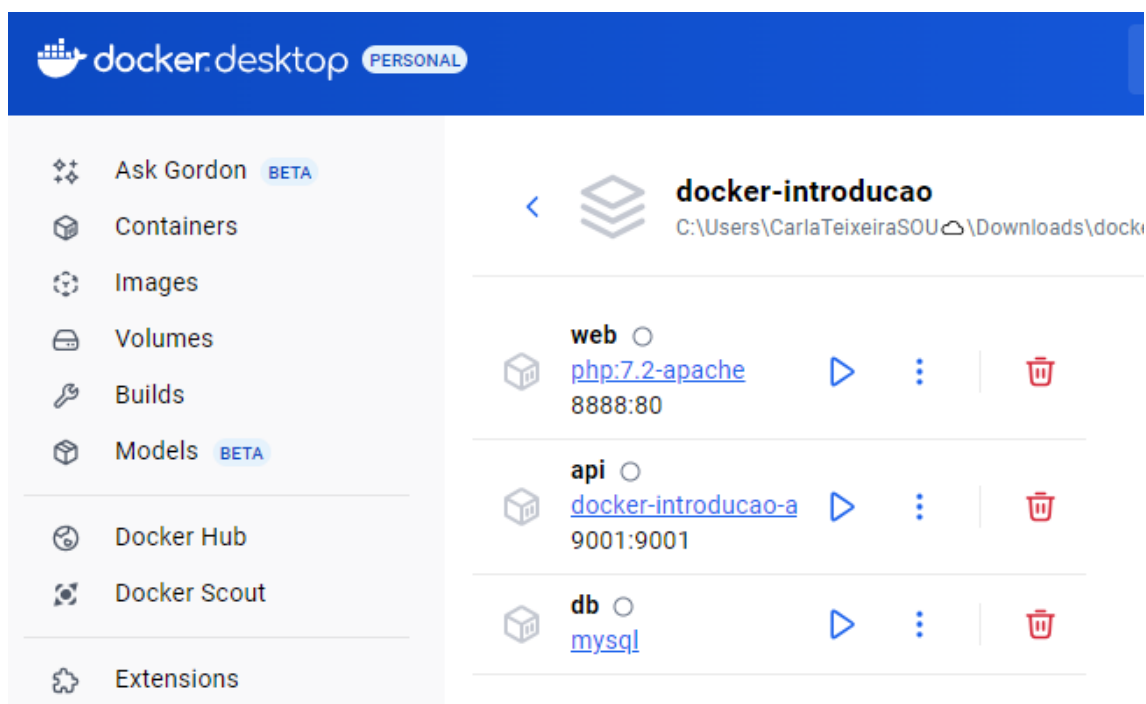


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
- Index – Código no Visual Studio Code


```
8 <body>
9 <?php
10 $result = file_get_contents("http://node-container:9001/products");
11 $products = json_decode($result);
12 ?>
13
14 <div class="container">
15 <table class="table">
16 <thead>
17 <tr>
18 <th>Produto</th>
19 <th>Preço</th>
20 </tr>
21 </thead>
22 <tbody>
23 <?php foreach($products as $product): ?>
24 <tr>
25 <td><?php echo $product->name; ?></td>
26 <td><?php echo $product->price; ?></td>
27 </tr>
28 <?php endforeach; ?>
29 </tbody>
30 </table>
31 </div>
32 </body>
33 </html>
```


- Evidências no Docker Desktop








 **docker desktop** PERSONAL


 Ask Gordon BETA


 Containers


 **Images**


 Volumes

 Builds


 Models BETA

 Docker Hub


 Docker Scout

 Extensions

Images / mysql:latest

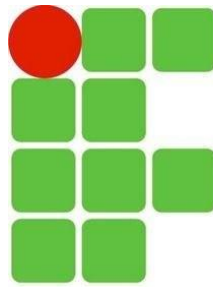


mysql:latest IN USE

6af67d37072d 

Layers (19)

0	ADD oraclelinux-9-slim-amd64-rootfs...	113.83 MB
1	CMD ["/bin/bash"]	0 B
2	RUN /bin/sh -c set -eux; groupadd --s...	2.77 KB
3	ENV GOSU_VERSION=1.17	0 B
4	RUN /bin/sh -c set -eux; arch="\$(una...	2.36 MB
5	RUN /bin/sh -c set -eux; microdnf ins...	16.52 MB
6	RUN /bin/sh -c set -eux; key='BCA4 3...	3.18 KB
7	ENV MYSQL_MAJOR=innovation	0 B



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Ask Gordon BETA

Containers

Images

Volumes

Builds

Models BETA

Docker Hub

Docker Scout

Extensions

Containers Give feedback

View all your running containers and applications. [Learn more](#)

Container CPU usage ⓘ
63.50% / 400% (4 CPUs available)

Container memory usage ⓘ
16.23MB / 7.5GB

Search

Only show running containers

	Name	Container ID	Image	Port(s)	CPU (%)
<input type="checkbox"/>	Ativ_Carla	9360f2430554	docker/con		0%
<input type="checkbox"/>	CarlaTeixeira	484c10c1b2fe	mysql:lates	9001:3306 Show all ports (2)	0%
<input type="checkbox"/>	docker-introduc	-	-	-	63.5%

Ask Gordon BETA

Containers

Images

Volumes

Builds

Models BETA

Docker Hub

Docker Scout

Extensions

Volumes / e10f8ececfa16d66e724cbac6037dc7c25a236c76243668e2bb6f654ccc13c...

e10f8ececfa16d66e724cbac6037dc7c25a236c76243668e...

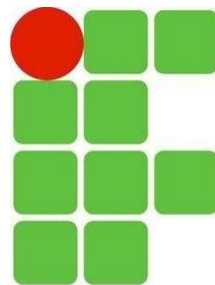
Not in use

Stored data

Container in-use

Exports

Container name	Image	Port
CarlaTeixeira	mysql:latest	9001



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- Evidências no Prompt de Comando

```
C:\Users\CarlaTeixeiraSOU\Downloads\docker-introducao-master\docker-introducao>docker-compose up
time="2025-06-25T00:55:46-03:00" level=warning msg="C:\\Users\\CarlaTeixeiraSOU\\Downloads\\docker-introducao-master\\docker-introducao\\dock
  bute 'version' is obsolete, it will be ignored, please remove it to avoid potential confusion"
[t+] Running 26/26
  db Pulled
    43c486e74c6d Pull complete 92.4s
    86362e2a75e4 Pull complete 47.7s
    ba155de89fc7 Pull complete 47.8s
    1770ba94c103 Pull complete 48.0s
    d89ba43c350c Pull complete 49.1s
    55f4efd3f008 Pull complete 49.3s
    e7b97b02f10e Pull complete 49.5s
    2f44111e3dd4 Pull complete 52.3s
    545a2bff0604 Pull complete 52.5s
    958d7f5cf224 Pull complete 89.3s
  web Pulled
    6ec7b7d162b2 Pull complete 89.7s
    db606474d60c Pull complete 54.1s
    afb30f0cd8e0 Pull complete 16.4s
    3bb2e8051594 Pull complete 16.7s
    4c761b44e2cc Pull complete 45.5s
    c2199db96575 Pull complete 45.8s
    1b9a9381eea8 Pull complete 48.0s
[t+] Stopping 3/34 Pull complete
  Container php-container Stopped 48.2s
  Container node-container Stopped 48.4s
  Container mysql-container Stopped 48.8s
    e5e6cd163689 Pull complete 51.1s
    5c5516e56582 Pull complete 51.3s
```

```
mysql-container | 2025-06-25T04:20:07.449702Z 0 [System] [MY-015015] [Server] MySQL Server - start.
mysql-container | 2025-06-25T04:20:07.825956Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 9.3.0) starting as process 1
mysql-container | 2025-06-25T04:20:07.837831Z 0 [Warning] [MY-010159] [Server] Setting lower_case_table_names=2 because file system for /var/lib/mysql/ is case ins
  tive
mysql-container | 2025-06-25T04:20:07.872408Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
mysql-container | 2025-06-25T04:20:15.267637Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
mysql-container | mysqld: Table 'mysql.plugin' doesn't exist
```

```
mysql-container | 2025-06-25T04:22:47.069695Z 0 [System] [MY-010910] [Server] /usr/sbin/mysqld: Shutdown complete (mysqld 9.3.0) MySQL Community Server - GPL.
mysql-container | 2025-06-25T04:22:47.069784Z 0 [System] [MY-015016] [Server] MySQL Server - end.
mysql-container | exited with code 0
mysql-container | 2025-06-25 04:22:49+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
mysql-container | 2025-06-25 04:22:49+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 9.3.0-1.el9 started.
mysql-container | '/var/lib/mysql/mysql.sock' -> '/var/run/mysqld/mysqld.sock'
mysql-container | 2025-06-25T04:22:50.459269Z 0 [System] [MY-015015] [Server] MySQL Server - start.
mysql-container | 2025-06-25T04:22:50.887634Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 9.3.0) starting as process 1
mysql-container | 2025-06-25T04:22:50.900296Z 0 [Warning] [MY-010159] [Server] Setting lower_case_table_names=2 because file system for /var/lib/mysql/ is case insensi
  tive
```