

```

PS C:\Users\kracr\OneDrive\Desktop\compunet3\docker-workshop\supermarket_db> docker
build -t supermarket_db .
[+] Building 51.8s (6/6) FINISHED
docker:desktop-linux
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 183B                                              0.0s
=> [internal] load metadata for docker.io/library/mysql:5.7
2.2s
=> [auth] library/mysql:pull token for registry-1.docker.io                    0.0s
=> [internal] load .dockerignore                                                0.1s
=> => transferring context: 2B                                                  0.0s
=> [1/1] FROM
docker.io/library/mysql:5.7@sha256:4bc6bc963e6d8443453676cae56536f4b8156d78bae03c01
45cbe47c2aad73bb 42.3s
=> => resolve
docker.io/library/mysql:5.7@sha256:4bc6bc963e6d8443453676cae56536f4b8156d78bae03c01
45cbe47c2aad73bb 0.0s
=> => sha256:43d05e938198ff7303eee62b5a3c2598c927954ea4cbeceac121101b281db972
56.29MB / 56.29MB 32.7s
=> => sha256:20e4dcae4c693910efbf28a556e2fa88ef717e15364f63da7e0a4a130b9b714e
50.50MB / 50.50MB 41.9s
=> => sha256:6b95a940e7b64b6a3312090f58127b6d725198b9be263e1878e1059abe692eeb
3.08kB / 3.08kB 0.9s
=> => sha256:ae71319cb7793e84b1f0ba04d4cc4a0d8a9a0387b1cd8895ebff9218d81388a3
25.53MB / 25.53MB 31.5s
=> => sha256:064b2d298fba6c6f19d44eb4a3f32bdcc0f229ea1964d3bb70bbde2d76b5cc0c
5.38kB / 5.38kB 2.6s
=> => sha256:df9a4d85569bd266293512fc5a7a9c35b878ea7a06185dbd02abf88c04e9bccf
122B / 122B 1.2s
=> => sha256:1c56c3d4ce74a53225aa9fa60ee8be21d81aad4fede8431225dff84c25e1c79e
869B / 869B 0.4s
=> => sha256:ffc89e9dfd889f56aaad15dea72609ab8936b5ca017deadb8e7ba0d5840037f
317B / 317B 0.3s
=> => sha256:e9f03a1c24cebdce0bffa69aec1a9f2d7cf5b21db611576f6263d10ec86e02b7
983.55kB / 983.55kB 10.2s
=> => sha256:90986bb8de6ed46958837e14261553640aad289c15d741739b71b418fc8ebf0f
331B / 331B 0.3s
=> => sha256:68c3898c2015e66367dcdb126db7f1ad3d4284d84e2095671964e90a8d288fd7
4.58MB / 4.58MB 9.9s
=> exporting to image 48.8s
=> => exporting layers 0.0s
=> => unpacking to docker.io/library/supermarket_db:latest 48.5s

```

2 warnings found (use docker --debug to expand):

- SecretsUsedInArgOrEnv: Do not use ARG or ENV instructions for sensitive data (ENV "MYSQL\_PASSWORD") (line 5)
- SecretsUsedInArgOrEnv: Do not use ARG or ENV instructions for sensitive data (ENV "MYSQL\_ROOT\_PASSWORD") (line 2)

```
PS C:\Users\kracr\OneDrive\Desktop\compunet3\docker-workshop\supermarket_db> docker  
run -d -t -i -p 3306:3306 --name supermarket_db supermarket_db  
8a4dbb3c54dd88fe806b490df0035a1abca2e3cd5f9992ef773817e799fec548
```

```
PS C:\Users\kracr\OneDrive\Desktop\compunet3\docker-workshop\supermarket_db> do
  docker run --name phpmyadmi -d --link supermarket_db:db -p 8081:80 phpmyadmin
Unable to find image 'phpmyadmin:latest' locally
latest: Pulling from library/phpmyadmin
78097ce2d8df: Pulling fs layer
3ad4835a89ba: Pulling fs layer
78097ce2d8df: Pull complete
5a1bb28bc9ba: Pull complete
27e4a7ec2970: Pull complete
c4ea0cbd9c71: Pull complete
16b69d6f3818: Pull complete
ef080651cc47: Pull complete
10ecd2cd73b5: Pull complete
4d8bc193e0d0: Pull complete
ea8c0fa16a32: Pull complete
8cb331d7a7d9: Pull complete
4f4fb700ef54: Pull complete
e24598f8ce57: Pull complete
3670ec7d2246: Pull complete
9046ed4332b7: Pull complete
64133ee529eb: Pull complete
927120e36889: Pull complete
615510a9094d: Pull complete
c8f75956f470: Download complete
Digest: sha256:ce66eefd046088d7a7cc7f2595da08e2896e099b6613e5008e04243fcefc31f6
Status: Downloaded newer image for phpmyadmin:latest
de1fd753196d3346086b374f43cd24d9d96218c9ffb5f1ce9c8d1d88ff96830a
```




# phpMyAdmin

## Welcome to phpMyAdmin

Language

English



Log in 

Username:

Password:





Log in

phpMyAdmin



Recent

Favorites

  information\_schema  
  supermarket\_db



```

PS C:\Users\kracr\OneDrive\Desktop\compunet3\docker-workshop\supermarket_ms> docker
build -t supermarket_ms .
[+] Building 170.1s (12/12) FINISHED
docker:desktop-linux
=> [internal] load build definition from Dockerfile                                0.1s
=> => transferring dockerfile: 343B                                              0.0s
=> [internal] load metadata for docker.io/library/python:3
2.1s
=> [auth] library/python:pull token for registry-1.docker.io
0.0s
=> [internal] load .dockerignore                                                  0.1s
=> => transferring context: 2B                                                  0.0s
=> [1/6] FROM
docker.io/library/python:3@sha256:151ab3571dad616bb031052e86411e2165295c7f67ef27206
852203e854bcd12  132.2s
=> => resolve
docker.io/library/python:3@sha256:151ab3571dad616bb031052e86411e2165295c7f67ef27206
852203e854bcd12  0.0s
=> => sha256:c59471c320a2f6b05d95c22f912d3123bf8b8b4c84b3358116d57361ce77233d
251B / 251B                                0.3s
=> => sha256:4f69a3eb488f29441ffb9cc440e3fe2a3173f38608dd0062d949bcd8ede35514
29.41MB / 29.41MB                        11.4s
=> => sha256:d8871274053b4c4ae1362d039b370d40afa86fa1463d66808866ab5e86ef711f
6.10MB / 6.10MB                         11.3s
=> => sha256:128c712640095cd6361adb8c415d18f40180beef843ae18943d3a366993d7749
236.00MB / 236.00MB                     126.0s
=> => sha256:b5e2021c4c8bd1a46b34d9608a9381afdc333600ee1ef3c94306ecf7373e1956
67.79MB / 67.79MB                       57.7s
=> => sha256:954d6059ca7bdbb9ceb566ca2239e01ef312165659d656753d7dbace7771a591
25.61MB / 25.61MB                       29.2s
=> => sha256:ef235bf1a09a237b896b69935c8c8d917c9c6a78b538724911414afc0a96763c
49.29MB / 49.29MB                       32.4s
=> => extracting
sha256:ef235bf1a09a237b896b69935c8c8d917c9c6a78b538724911414afc0a96763c
1.6s
=> => extracting
sha256:954d6059ca7bdbb9ceb566ca2239e01ef312165659d656753d7dbace7771a591
0.7s
=> => extracting
sha256:b5e2021c4c8bd1a46b34d9608a9381afdc333600ee1ef3c94306ecf7373e1956
1.8s
=> => extracting
sha256:128c712640095cd6361adb8c415d18f40180beef843ae18943d3a366993d7749
5.0s

```

```

=> => extracting
sha256:d8871274053b4c4ae1362d039b370d40afa86fa1463d66808866ab5e86ef711f
0.2s
=> => extracting
sha256:4f69a3eb488f29441ffb9cc440e3fe2a3173f38608dd0062d949bcd8ede35514
0.6s
=> => extracting
sha256:c59471c320a2f6b05d95c22f912d3123bf8b8b4c84b3358116d57361ce77233d
0.0s
=> [internal] load build context                                0.1s
=> => transferring context: 25.44kB                             0.0s
=> [2/6] RUN mkdir /code                                       0.7s
=> [3/6] WORKDIR /code                                         0.1s
=> [4/6] COPY requirements.txt /code/                          0.1s
=> [5/6] RUN pip install -r requirements.txt                  29.9s
=> [6/6] COPY . /code/                                         0.1s
=> exporting to image                                          4.5s
=> => exporting layers                                          2.4s
=> => exporting manifest
sha256:9d382ef2c2ecf22b8c88d0a216b044e56f2791c4843957739385a5c05e92c078
0.0s
=> => exporting config
sha256:dda5ba42a3b2a85af72fcea30f9171d74f737279df5786d94eb86970c7b80a9e
0.0s
=> => exporting attestation manifest
sha256:ce58e75537fb4bd95c0f8f3011e9e7e6e3d898a9315daf135703c3ee056de3af    0.0s
=> => exporting manifest list
sha256:ffb8a191ecb33a1d43b378ac73ddc01f0c10718b4599de292fd101ca67e73bce
0.0s
=> => naming to docker.io/library/supermarket_ms:latest
0.0s
=> => unpacking to docker.io/library/supermarket_ms:latest
1.9s

```

1 warning found (use docker --debug to expand):

- LegacyKeyValueFormat: "ENV key=value" should be used instead of legacy "ENV key value" format (line 2)

Tuve que cambiar la versión de python:

```
Dockerfile M X
supermarket_ms > Dockerfile > ...
1 FROM python:3.9
2
3 ENV PYTHONUNBUFFERED 1
4 RUN mkdir /code
5 WORKDIR /code
6
7 COPY requirements.txt /code/
8 RUN pip install --upgrade pip && pip install -r requirements.txt
9
10 COPY . /code/
11
12 ARG URL=0.0.0.0:4000
13 CMD ["sh", "-c", "python manage.py makemigrations supermarket_ms && python manage.py migrate && python manage.py runserver $URL"]

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS CONSOLE NINJA

PS C:\Users\kracr\OneDrive\Desktop\compunet3\docker-workshop\supermarket_ms> docker build -t supermarket_ms .
[+] Building 31.3s (5/11)
=> [internal] load metadata for docker.io/library/python:3.9
=> [auth] library/python:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 1.81kB
=> [1/6] FROM docker.io/library/python:3.9@sha256:da5aee29682d12a6649f51c8d6f15b87deb3e6c524b923c41d0cb3304d07c913
=> => resolve docker.io/library/python:3.9@sha256:da5aee29682d12a6649f51c8d6f15b87deb3e6c524b923c41d0cb3304d07c913
=> => sha256:91c91cf1d23f4edf4280a8fe935f14340fec43a7a3576149a7cfff70c2f9b 250B / 250B
=> => sha256:c9723aa529b03c40e66d0aee927a410b4719528ab865af6e0bac1b7c9b10829e 20.37MB / 20.37MB
=> => sha256:081ccf923272c30c6072c6ff1617d9072e03ab2a90a431951d325d45e296962b 6.10MB / 6.10MB
=> => sha256:79d5bd8a8d262418bf22e705535ce38c6789dc72e319d76b30aafa5c331b6924 158.33MB / 235.93MB
=> => sha256:26dfe2fac1c486e9aaf41d1028ed30be2c442aa8af44462bc7bac8c148ffb13 67.78MB / 67.78MB
=> => sha256:89d573bf42b377ce6a5a0451c15388849686fa4058efd68999f3b014daeb5b55 25.62MB / 25.62MB
=> => sha256:795dbedde24d2c72dafd2b71fe36643552e56859c0e29cdb095ed54b825fbaa2 49.28MB / 49.28MB
=> => extracting sha256:795dbedde24d2c72dafd2b71fe36643552e56859c0e29cdb095ed54b825fbaa2
=> => extracting sha256:89d573bf42b377ce6a5a0451c15388849686fa4058efd68999f3b014daeb5b55
=> => extracting sha256:26dfe2fac1c486e9aaf41d1028ed30be2c442aa8af44462bc7bac8c148ffb13
```



```
docker run -p 4000:4000 -e DB_HOST=host.docker.internal -e DB_PORT=3306 -e  
DB_USER=supermarket -e DB_PASSWORD=2021 -e DB_NAME=supermarket_db -e  
URL=0.0.0.0:4000 supermarket_ms
```

```
PS C:\Users\kracr\OneDrive\Desktop\compunet3\docker-workshop\supermarket_ms> docker  
run -p 4000:4000 -e DB_HOST=host.docker.internal -e DB_PORT=3306 -e  
DB_USER=supermarket -e DB_PASSWORD=2021 -e DB_NAME=supermarket_db -e  
URL=0.0.0.0:4000 supermarket_ms
```

Migrations for 'supermarket\_ms':

supermarket\_ms/migrations/0001\_initial.py

- Create model Category
- Create model Product

Operations to perform:

Apply all migrations: admin, auth, contenttypes, sessions, supermarket\_ms

Running migrations:

Applying contenttypes.0001\_initial... OK

Applying auth.0001\_initial... OK

Applying admin.0001\_initial... OK

Applying admin.0002\_logentry\_remove\_auto\_add... OK

Applying admin.0003\_logentry\_add\_action\_flag\_choices... OK

Applying contenttypes.0002\_remove\_content\_type\_name... OK

Applying auth.0002\_alter\_permission\_name\_max\_length... OK

Applying auth.0003\_alter\_user\_email\_max\_length... OK

Applying auth.0004\_alter\_user\_username\_opts... OK

Applying auth.0005\_alter\_user\_last\_login\_null... OK

Applying auth.0006\_require\_contenttypes\_0002... OK

Applying auth.0007\_alter\_validators\_add\_error\_messages... OK

Applying auth.0008\_alter\_user\_username\_max\_length... OK

Applying auth.0009\_alter\_user\_last\_name\_max\_length... OK

Applying auth.0010\_alter\_group\_name\_max\_length... OK

Applying auth.0011\_update\_proxy\_permissions... OK

Applying auth.0012\_alter\_user\_first\_name\_max\_length... OK

Applying sessions.0001\_initial... OK

Applying supermarket\_ms.0001\_initial... OK

Watching for file changes with StatReloader

Performing system checks...

System check identified no issues (0 silenced).

February 21, 2026 - 20:25:21

Django version 3.1, using settings 'project.settings'

Starting development server at http://0.0.0.0:4000/

```
PS C:\Users\kracr\OneDrive\Desktop\compunet3\docker-workshop> docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
01e84e4718fa	supermarket_ms	"sh -c 'python manag..."	About a minute ago	Up About a minute
0.0.0.0:4000->4000/tcp, [::]:4000->4000/tcp		pensive_greider		
de1fd753196d	phpmyadmin	"/docker-entrypoint...."	45 hours ago	Up 14 minutes
0.0.0.0:8081->80/tcp, [::]:8081->80/tcp		phpmyadmi		
8a4dbb3c54dd	supermarket_db	"docker-entrypoint.s..."	45 hours ago	Up 14 minutes
0.0.0.0:3306->3306/tcp, [::]:3306->3306/tcp		supermarket_db		

Operaciones que se ven en el código en las vistas:

```
urlpatterns = [
    path('categories/', CategoryList.as_view()),
    path('categories/<int:pk>', CategoryDetail.as_view()),
    path('products/', ProductList.as_view()),
    path('products/<int:pk>', ProductDetail.as_view()),
]
```

```
class CategoryList(mixins.ListModelMixin,
                  mixins.CreateModelMixin,
                  generics.GenericAPIView):

    queryset = Category.objects.all()
    serializer_class = CategorySerializer

    def get(self, request, *args, **kwargs):
        return self.list(request, *args, **kwargs)

    def post(self, request, *args, **kwargs):
        return self.create(request, *args, **kwargs)
```

```
class CategoryDetail(mixins.RetrieveModelMixin,
                    mixins.UpdateModelMixin,
                    mixins.DestroyModelMixin,
                    generics.GenericAPIView):

    queryset = Category.objects.all()
    serializer_class = CategorySerializer

    def get(self, request, *args, **kwargs):
        return self.retrieve(request, *args, **kwargs)

    def put(self, request, *args, **kwargs):
        return self.update(request, *args, **kwargs)
```

```
class ProductList(mixins.ListModelMixin,
                  mixins.CreateModelMixin,
                  generics.GenericAPIView):

    queryset = Product.objects.all()
    serializer_class = ProductSerializer

    def get(self, request, *args, **kwargs):
        return self.list(request, *args, **kwargs)

    def post(self, request, *args, **kwargs):
        return self.create(request, *args, **kwargs)
```

```
class ProductDetail(mixins.RetrieveModelMixin,
                    mixins.UpdateModelMixin,
                    mixins.DestroyModelMixin,
                    generics.GenericAPIView):

    queryset = Product.objects.all()
    serializer_class = ProductSerializer

    def get(self, request, *args, **kwargs):
        return self.retrieve(request, *args, **kwargs)

    def put(self, request, *args, **kwargs):
        return self.update(request, *args, **kwargs)

    def delete(self, request, *args, **kwargs):
        return self.destroy(request, *args, **kwargs)
```

POST localhost:4000/categories/

Docs Params Authorization Headers (8) **Body** Scripts Settings




☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON

```
1 {
2   "name": "Category 1",
3   "description": "Generic category I made to test a post."
4 }
```

Body Cookies Headers (8) Test Results (1/1) 201 Created • 95 ms • 362 B

{ } JSON Preview Visualize

```
1 {
2   "id": 1,
3   "name": "Category 1",
4   "description": "Generic category I made to test a post."
5 }
```

	id	name	description
<input type="checkbox"/>  Edit  Copy  Delete	2	Category 1	Generic category I made to test a post.

HTTP

Docker Workshop / Get Category

GET

localhost:4000/categories/1

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Query Params

	Key	Value
	Key	Value

Body

Cookies

Headers (8)

Test Results (1/1)

200 OK

{ } JSON

Preview

Visualize

```
1 {
2   "id": 1,
3   "name": "Category 1",
4   "description": "Generic category I made to test a post."
5 }
```

← T →

▼

	id	name	description
<input type="checkbox"/>	2	Category 1	Generic category I made to test a post.

Edit

Copy

Delete

GET

localhost:4000/categories/

Docs

Params

Authorization

Headers (6)

Body

Scripts

Settings

Query Params

	Key	Value
	Key	Value

Body

Cookies

Headers (8)

Test Results (1/1)

200 OK

{ } JSON

Preview

Visualize

```
1  [  
2    {  
3      "id": 1,  
4      "name": "Category 1",  
5      "description": "Generic category I made to test a post."  
6    }  
7  ]
```

	id	name	description
<input type="checkbox"/>	2	Category 1	Generic category I made to test a post.

PUT localhost:4000/categories/2

Docs Params Authorization Headers (8) **Body**

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ JSON

```
1 {
2   "name": "New Name",
3   "description": "New Description 1"
4 }
```

Body Cookies Headers (8) Test Results (1/1) ↻

{ } JSON Preview Visualize

```
1 {
2   "id": 2,
3   "name": "New Name",
4   "description": "New Description 1"
5 }
```

Extra options

<div><div><div></div><div></div><div></div></div></div>				id	name	description
<div><div><div></div></div></div>	<div><div><div></div></div><div>Edit</div></div>	<div><div><div></div></div><div>Copy</div></div>	<div><div><div></div></div><div>Delete</div></div>	2	New Name	New Description 1

✓ Showing rows 0 - 0 (1 total, Query took 0.0005 seconds.)

```
SELECT * FROM `supermarket_ms_category`
```

☐ Profiling [ [Edit inline](#) ] [ [Edit](#) ] [ [Explain SQL](#) ] [ [Create PHP code](#) ] [ [Refresh](#) ]

☐ Show all | Number of rows:  Filter rows:

Extra options

	id	name	description
<input type="checkbox"/> Edit  Copy  Delete	1	New Name	New Description 1

DELETE

Docs Params Authorization Headers (6) Body Scripts Settings

Query Params

Key	Value
Key	Value

Body Cookies Headers (7) Test Results (1/1) 204 No Content

Raw Preview Visualize

1

✓ MySQL returned an empty result set (i.e. zero rows)

```
SELECT * FROM `supermarket_ms_category`
```

☐ Profiling [ [Edit inline](#) ] [ [Edit](#) ] [ [Explain SQL](#) ] [ [Create](#)

id	name	description
----	------	-------------

Query results operations

Create view



POST

localhost:4000/products/

Docs

Params

Authorization

Headers (8)

Body

Scripts

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

```
1 {
2   "name": "product1",
3   "description": "description1",
4   "category": 2,
5   "unit_measurement": "Liters",
6   "quantity": 1
7 }
```

Body

Cookies

Headers (8)

Test Results

200

{ } JSON

Preview

Visualize

```
2   "id": 1,
3   "name": "product1",
4   "description": "description1",
5   "category": {
6     "id": 2,
7     "name": "New Name",
8     "description": "New Description 1"
9   },
10  "unit_measurement": "Liters",
11  "quantity": 1
```

	id	name	description	unit_measurement	quantity	category_id
<input type="checkbox"/>	1	product1	description1	LI	1	2

GET

localhost:4000/products/1

Docs

Params

Authorization

Headers (6)

Body

Query Params

	Key	Value
	Key	Value

Body

Cookies

Headers (8)

Test Results

{ } JSON

Preview

Visualize

```
1  {
2    "id": 1,
3    "name": "product1",
4    "description": "description1",
5    "category": {
6      "id": 2,
7      "name": "New Name",
8      "description": "New Description 1"
9    },
10   "unit_measurement": "Liters",
11   "quantity": 1
12 }
```

	id	name	description	unit_measurement	quantity	category_id
<input type="checkbox"/> Edit <input type="button" value="Copy"/> <input type="button" value="Delete"/>	1	product1	description1	LI	1	2

GET

localhost:4000/products/

Docs

Params

Authorization

Headers (6)

Body

Scr

Query Params

	Key	Value
	Key	Value

Body

Cookies

Headers (8)

Test Results

🔄

{ }

JSON

▶ Preview

🖼 Visualize

▼

```
1  [  
2    {  
3      "id": 1,  
4      "name": "product1",  
5      "description": "description1",  
6      "category": {  
7        "id": 2,  
8        "name": "New Name",  
9        "description": "New Description 1"  
10     },  
11     "unit_measurement": "Liters",  
12     "quantity": 1  
13   }  
14 ]
```

<div>← T →</div>		▼	id	name	description	unit_measurement	quantity	category_id	
<input type="checkbox"/>	Edit	Copy	Delete	1	product1	description1	LI	1	2

PUT localhost:4000/products/1

Docs Params Authorization Headers (8) Body Script

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ b

```
5     "unit_measurement": "Liters",
6     "quantity": 10
7 }
```

Body Cookies Headers (8) Test Results (1/1)

{ } JSON Preview Visualize

```
1  {
2    "id": 1,
3    "name": "New PRoduct Name",
4    "description": "New Product Description",
5    "category": {
6      "id": 2,
7      "name": "New Name",
8      "description": "New Description 1"
9    },
10   "unit_measurement": "Liters",
11   "quantity": 10
12 }
```

Extra options

	id	name	description	unit_measurement	quantity	category_id
<input type="checkbox"/>	1	New PRoduct Name	New Product Description	LI	10	2

DELETE

localhost:4000/products/1

Docs

Params

Authorization

Headers (6)

Body

Query Params

	Key	Value
	Key	Value

Body

Cookies

Headers (7)

Test Results (1/1)

Raw

Preview

Visualize

1

```
SELECT * FROM `supermarket_ms_product`
```

☐ Profiling [ [Edit inline](#) ] [ [Edit](#) ] [ [Explain SQL](#) ] [ [Create PHP code](#) ] [ [Refresh](#) ]

id	name	description	unit_measurement	quantity	category_id
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