

```
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
  45fbe47c2aad73bb 42.3s
    => => resolve
  docker.io/library/mysql:5.7@sha256:4bc6bc963e6d8443453676cae56536f4b8156d78bae03c01
  45fbe47c2aad73bb 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:ffc89e9dfd889f56aaad15dea72609ab8936b5ca017deadbc8e7ba0d5840037f
  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
  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
```



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:dda5ba42a3b2a85af72fce30f9171d74f737279df5786d94eb86970c7b80a9e 0.0s
=> => exporting attestation manifest sha256:ce58e75537fb4bd95c0f8f3011e9e7e6e3d898a9315daf135703c3ee056de3af 0.0s
=> => exporting manifest list sha256:fbb8a191ecb33a1d43b378ac73ddc01f0c10718b4599de292fd101ca67e73bce 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:

The screenshot shows a terminal window with a dark blue background. At the top, there's a header bar with tabs for 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', 'TERMINAL' (which is currently selected), 'PORTS', and 'CONSOLE NINJA'. Below the header, the terminal displays the following content:

```
PS C:\Users\kracr\OneDrive\Desktop\comunet3\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
=> => sha256:91c91c91fd23f4edf4280a8fe935f14340fec43a7a3576149a7cffcf70c2f9b 250B / 250B
=> => sha256:c9723aa529b03c40e66d0aee927a410b4719528ab965af6e0bac1b7c9b10829e 20.37MB / 20.37MB
=> => sha256:081ccf923272c30c6072c6ff1617d9072e03ab2a90a431951d325d45e296962b 6.10MB / 6.10MB
=> => sha256:79d5bd8a8d262418bf22e705535ce38c6789dc72e19d76b30aaf45c331b6924 158.33MB / 235.93MB
=> => sha256:26dfe2fac1c486e9aaef41d1028ed30be2c442aa84af44462bc7bac8c148ffb13 67.78MB / 67.78MB
=> => sha256:89d573bf42b377ce6a5a0451c15388849686fa4058efd68999f3b014daeb5b5 25.62MB / 25.62MB
=> => sha256:795dbdde24d2c72dafd2b71fe36643552e56859cbe29cdb095ed54b825fbaa2 49.28MB / 49.28MB
=> => extracting sha256:795dbdde24d2c72dafd2b71fe36643552e56859cbe29cdb095ed54b825fbaa2
=> => extracting sha256:89d573bf42b377ce6a5a0451c15388849686fa4058efd68999f3b014daeb5b5
=> => extracting sha256:26dfe2fac1c486e9aaef41d1028ed30be2c442aa84af44462bc7bac8c148ffb13
```

```
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
PORTS NAMES
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 }
```

← T →	▼	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 3

{ } 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"/>	Edit Copy Delete	2	Category 1	Generic category I made to test a post.

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 · 49ms

{ } JSON ▾ ▷ Preview ⚡ Visualize ▾

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

← T → ▾ id name description

 Edit  Copy  Delete 2 Category 1 Generic category I made to test a post.

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

PUT

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

none form-data x-www-form-urlencoded

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

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

{ } JSON

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

Extra options

		id	name	description
<input type="checkbox"/> Edit Copy Delete	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: 25 Filter rows: Search this table

Extra options

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

Edit Copy Delete

DELETE localhost:4000/categories/1

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

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 201

{ } JSON

```
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
```

<input type="button" value="←"/> <input type="button" value="→"/>	<input type="button" value="▼"/>	id	name	description	unit_measurement	quantity	category_id		
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	1	product1	description1	L1	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 }
```

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

GET localhost:4000/products/

Params

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 ]
```

← T →

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

PUT | localhost:4000/products/1

Docs Params Authorization Headers (8) Body Script

none form-data x-www-form-urlencoded raw (selected) binary

```
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 PRproduct 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"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	New PRproduct Name	New Product Description	Liters	10	2

DELETE localhost:4000/products/1

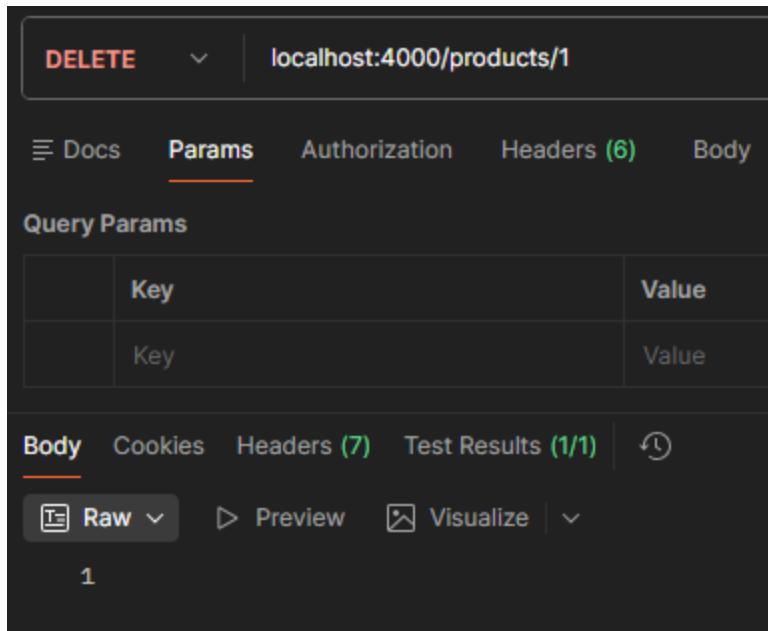
Docs Params Authorization Headers (6) Body

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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