

File Edit Selection View Go Run Terminal Help

main.py - fastapi - Visual Studio Code

Postman

File Edit View Help

Home Workspaces Reports Explore

Search Postman

Invite Upgrade

My Workspace New Import

fastapi-course / Get One Post

GET http://127.0.0.1:8000/posts/5

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

Status: 200 OK Time: 11 ms Size: 145 B Save Response

```
1 {  
2 |   "post_detail": null  
3 }
```

Find and Replace Console

Bootcamp Runner Trash

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10:23 PM 72°F Rain to stop

Windows Taskbar

Postman icon

File Explorer icon

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Enterprise	Electron	Learning Lab	Press
Customer stories	GitHub Desktop	Status	Inclusion
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Pricing			Shop
Resources			
Roadmap			

Request Body - FastAPI | 127.0.0.1:8000 | POST - HTTP | MDN | Download Postman | Try Postman | Field Types - pydantic | Page not found - GitHub | GitHub | HTTP response status codes - HT | Guest

Information responses

HTTP security
HTTP access control (CORS)
HTTP authentication
HTTP caching
HTTP compression
HTTP conditional requests
HTTP content negotiation
HTTP cookies
HTTP range requests
HTTP redirects
HTTP specifications
Feature policy
References:
HTTP headers
HTTP request methods
HTTP response status codes
100 Continue
101 Switching Protocols
103 Early Hints
200 OK
201 Created
202 Accepted
203 Non-Authoritative Information
204 No Content
205 Reset Content
206 Partial Content
300 Multiple Choices
301 Moved Permanently
302 Found
303 See Other
304 Not Modified
307 Temporary Redirect
308 Permanent Redirect

100 Continue
This interim response indicates that everything so far is OK and that the client should continue the request, or ignore the response if the request is already finished.

101 Switching Protocol
This code is sent in response to an [Upgrade](#) request header from the client, and indicates the protocol the server is switching to.

102 Processing (WebDAV)
This code indicates that the server has received and is processing the request, but no response is available yet.

103 Early Hints
This status code is primarily intended to be used with the [Link](#) header, letting the user agent start [preloading](#) resources while the server prepares a response.

Successful responses

200 OK
The request has succeeded. The meaning of the success depends on the HTTP method:

- GET : The resource has been fetched and is transmitted in the message body.
- HEAD : The representation headers are included in the response without any message body.
- PUT or POST : The resource describing the result of the action is transmitted in the message body.
- TRACE : The message body contains the request message as received by the server.

201 Created
The request has succeeded and a new resource has been created as a result. This is typically the response sent after POST requests, or some PUT requests.

202 Accepted
The request has been received but not yet acted upon. It is noncommittal, since there is no way in HTTP to later send an asynchronous response indicating the outcome of the request. It is intended for cases where another process or server handles the request, or for batch processing.

203 Non-Authoritative Information
This response code means the returned meta-information is not exactly the same as is available from the origin server, but is collected from a local or a third-party copy. This is mostly used for mirrors or backups of another resource. Except for that specific case, the "200 OK" response is preferred to this status.

204 No Content
There is no content to send for this request, but the headers may be useful. The user-agent may

https://developer.mozilla.org/en-US/docs/Web/HTTP/Status/201

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New Import

My Workspace

Collections

fastapi-course

Get Posts

POST Create Post

GET Get One Post

fastapi-course / Get One Post

GET http://127.0.0.1:8000/posts/5

Save Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies Bulk Edit

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

Status: 200 OK Time: 10 ms Size: 145 B Save Response

200 OK

Standard response for successful HTTP requests. The actual response will depend on the request method used. In a GET request, the response will contain an entity corresponding to the requested resource. In a POST request the response will contain an entity describing or containing the result of the action.

Find and Replace Console

Further extensions to the request are required for the server to fulfill it.

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()

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EXPLORER ... main.py 1 M .gitignore

OPEN EDITORS 1 UNSAVED main.py > .gitignore

main.py 1, M .gitignore

FASTAPI _pycache_ venv Include Lib Scripts pyvenv.cfg .gitignore main.py 1, M

```
1 from typing import Optional
2 from fastapi import FastAPI, Response
3 from fastapi.params import Body
4 from pydantic import BaseModel
5 from random import randrange
6
7 app = FastAPI()
8
9
10 class Post(BaseModel):
11     title: str
12     content: str
13     published: bool = True
14     rating: Optional[int] = None
15
16
17 my_posts = [{"title": "title of post 1", "content": "content of post 1", "id": 1}, {
18     "title": "favorite foods", "content": "I like pizza", "id": 2}]
19
20
21 def find_post(id):
22     for p in my_posts:
23         if p['id'] == id:
24             return p
25
```

OUTLINE > TIMELINE

main* Python 3.9.5 64-bit ('venv': venv) 1 ▲ 0 Connect

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Further extensions to the request are required for the server to fulfill it.

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```
32 @app.get("/posts")
33 def get_posts():
34     return {"data": my_posts}
35
36
37 @app.post("/posts")
38 def create_posts(post: Post):
39     post_dict = post.dict()
40     post_dict['id'] = randrange(0, 1000000)
41     my_posts.append(post_dict)
42     return {"data": post_dict}
43
44
45 @app.get("/posts/{id}")
46 def get_post(id: int, response: Response):
47
48     post = find_post(id)
49     if not post:
50         response.status_code = 404
51     return {"post_detail": post}
52
```

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Postman File Edit View Help

Home Workspaces Reports Explore Search Postman Invite Upgrade

My Workspace New Import GET Get Posts GET Get One Post GET http://127.0.0.1:80... No Environment

Collections APIs Environments Mock Servers Monitors History

fastapi-course / Get One Post

GET http://127.0.0.1:8000/posts/5

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (4) Test Results Status: 404 Not Found Time: 16 ms Size: 152 B Save Response

Pretty Raw Preview Visualize JSON

404 Not Found

The requested resource could not be found but may be available again in the future. Subsequent requests by the client are permissible.

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Further extensions to the request are required for the server to fulfill it.

1 {
2 | "post_detail": null
3 }

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```
1 from typing import Optional
2 from fastapi import FastAPI, Response, status
3 from fastapi.params import status
4 from pydantic import
5 from random import r
6 HTTP codes See HTTP
7 app = FastAPI()
8 Status Code Registry:
9 https://www.iana.org/assignme
10 class Post(BaseModel)
11     title: str And RFC 2324 -
12     content: str https://tools.ietf.org/html/rfc23
13     published: bool = True
14     rating: Optional[int] = None
15
16
17 my_posts = [{"title": "title of post 1", "content": "content of post 1", "id": 1},
18             {"title": "favorite foods", "content": "I like pizza", "id": 2}]
19
20
21 def find_post(id):
22     for p in my_posts:
23         if p['id'] == id:
24             return p
```

Further extensions to the request are required for the server to fulfill it.

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EXPLORER ... main.py 1, M .gitignore

OPEN EDITORS 1 UNSAVED main.py > get_post

main.py 1, M .gitignore

FASTAPI

- > __pycache__
- venv
- > Include
- > Lib
- > Scripts
- pyvenv.cfg
- .gitignore
- main.py 1, M

```
    return {"data": post_dict}

42
43
44
45 @app.get("/posts/{id}")
46 def get_post(id: int, response: Response):
47
48     post = find_post(id)
49     if not post:
50         response.status_code = status.HTTP_404_NOT_FOUND
51     return {"post_detail": post}
52
```

HTTP_305_USE_PROXY
HTTP_306_RESERVED
HTTP_307_TEMPORARY_REDIRECT
HTTP_308_PERMANENT_REDIRECT
HTTP_400_BAD_REQUEST
HTTP_401_UNAUTHORIZED
HTTP_402_PAYMENT_REQUIRED
HTTP_403_FORBIDDEN
HTTP_404_NOT_FOUND
HTTP_405_METHOD_NOT_ALLOWED
HTTP_406_NOT_ACCEPTABLE
HTTP_407_PROXY_AUTHENTICATION

HTTP_100_CONTINUE: Literal[100]

OUTLINE
TIMELINE

main* Python 3.9.5 64-bit ('venv': venv) ① 1 ▲ 0 Connect

Find and Replace Console

In 50, Col 39 Spaces: 4 UTF-8 CRLF Python ⚙️ 🔍

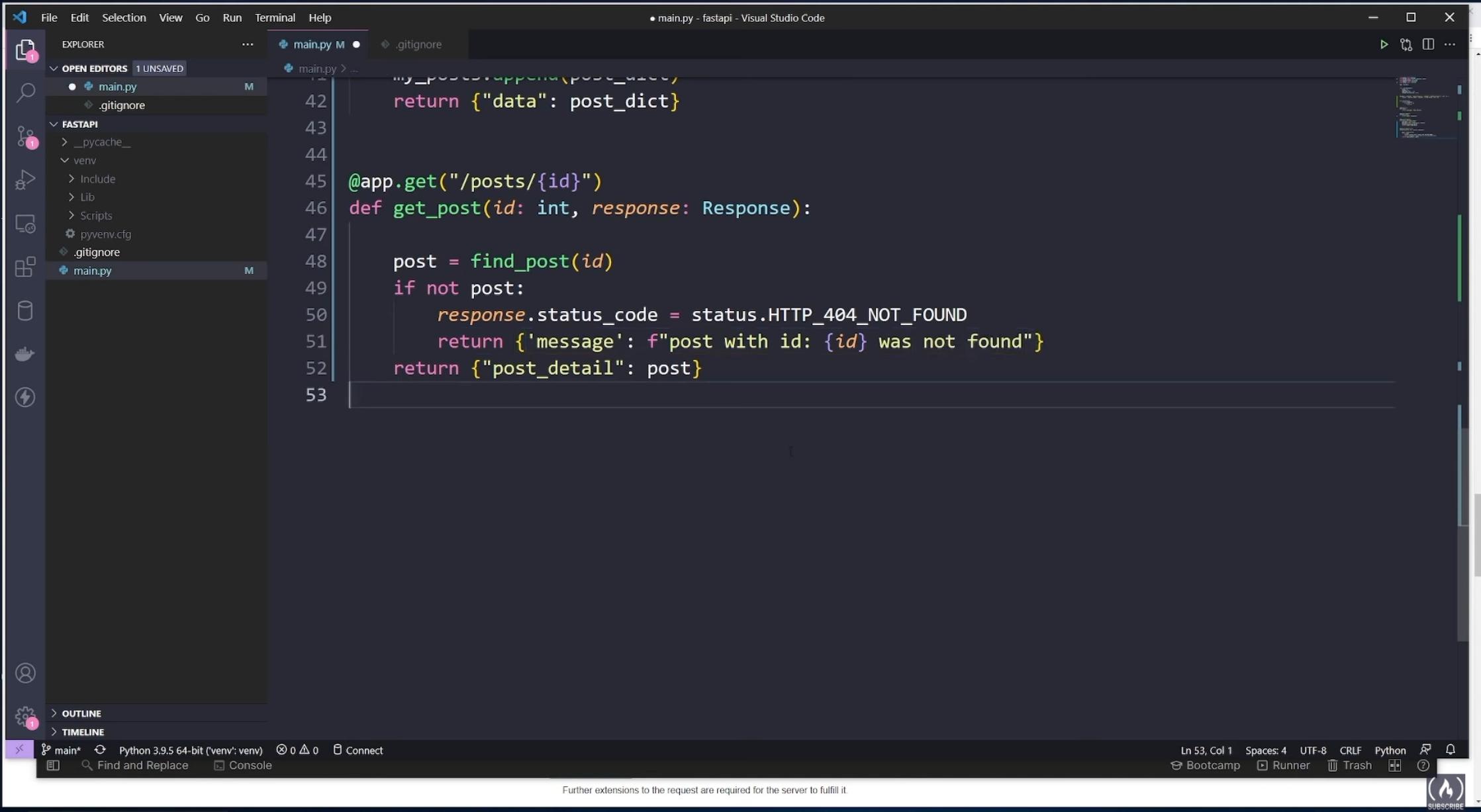
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Further extensions to the request are required for the server to fulfill it.

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My Workspace New Import GET Get Posts GET Get One Post GET http://127.0.0.1:80... No Environment

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fastapi-course / Get One Post

GET http://127.0.0.1:8000/posts/5

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (4) Test Results Status: 404 Not Found Time: 12 ms Size: 175 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {  
2   "message": "post with id: 5 was not found"  
3 }
```

Find and Replace Console Bootcamp Runner Trash ?

Further extensions to the request are required for the server to fulfill it.

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main.py 1, M .gitignore

FASTAPI > __pycache__ venv Include Lib Scripts pyvenv.cfg .gitignore main.py 1, M

```
1 from typing import Optional
2 from fastapi import FastAPI, Response, status, HT
3 from fastapi.params import class HTTPException() ✘HTTPException
4 from pydantic import Bas
5 from random import randrange
6
7 app = FastAPI()
8
9
10 class Post(BaseModel):
11     title: str
12     content: str
13     published: bool = True
14     rating: Optional[int] = None
15
16
17 my_posts = [{"title": "title of post 1", "content": "content of post 1", "id": 1}, {
18     "title": "favorite foods", "content": "I like pizza", "id": 2}]
19
20
21 def find_post(id):
22     for p in my_posts:
23         if p['id'] == id:
24             return p
25
```

OUTLINE > TIMELINE

main* Python 3.9.5 64-bit ('venv': venv) 0 0 Connect

Find and Replace Console

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Further extensions to the request are required for the server to fulfill it.

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```
post_dict['id'] = randrange(0, 1000000)
my_posts.append(post_dict)
return {"data": post_dict}

@app.get("/posts/{id}")
def get_post(id: int, response: Response):
    post = find_post(id)
    if not post:
        raise HTTPException(status_code=status.HTTP_404_NOT_FOUND,
                            detail=f"post with id: {id} was not found")
    # response.status_code = status.HTTP_404_NOT_FOUND
    # return {'message': f"post with id: {id} was not found"}
    return {"post_detail": post}
```

File Edit Selection View Go Run Terminal Help • main.py - fastapi - Visual Studio Code

EXPLORER OPEN EDITORS 1 UNSAVED main.py M .gitignore

main.py > get_post

post_dict['id'] = randrange(0, 1000000)
my_posts.append(post_dict)
return {"data": post_dict}

@app.get("/posts/{id}")
def get_post(id: int):

post = find_post(id)
if not post:
 raise HTTPException(status_code=status.HTTP_404_NOT_FOUND,
 detail=f"post with id: {id} was not found")
 # response.status_code = status.HTTP_404_NOT_FOUND
 # return {'message': f"post with id: {id} was not found"}
return {"post_detail": post}

LN 53, Col 1 (65 selected) Spaces: 4 UTF-8 CRLF Python ⚙️ 🔍

Find and Replace Console

Further extensions to the request are required for the server to fulfill it.

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```
0     post_dict['id'] = randrange(0, 1000000)
1     my_posts.append(post_dict)
2     return {"data": post_dict}
3
4
5 @app.get("/posts/{id}")
6 def get_post(id: int):
7
8     post = find_post(id)
9     if not post:
10         raise HTTPException(status_code=status.HTTP_404_NOT_FOUND,
11                             detail=f"post with id: {id} was not found")
12     return {"post_detail": post}
13
```

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My Workspace New Import GET Get Posts GET Get One Post GET http://127.0.0.1:80... No Environment

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fastapi-course / Get One Post

GET http://127.0.0.1:8000/posts/5

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (4) Test Results Status: 404 Not Found Time: 10 ms Size: 174 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {  
2     "detail": "post with id: 5 was not found"  
3 }
```

Find and Replace Console Bootcamp Runner Trash ?

Further extensions to the request are required for the server to fulfill it.

Type here to search

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Request Body - FastAPI | 127.0.0.1:8000 | POST - HTTP | MDN | Download Postman | Try Postman | Field Types - pydantic | Page not found - GitHub - GitHub | HTTP response status codes - HTTP | developer.mozilla.org/en-US/docs/Web/HTTP>Status | Guest

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My Workspace New Import POST Create Post GET Get One Post http://127.0.0.1:80... No Environment

fastapi-course / Create Post

POST http://127.0.0.1:8000/posts

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Body (none) form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify Cookies

1 {
2 ... "title": "top beaches in florida",
3 ... "content": "something soemthing beaches",
4 ... "rating": 4
5 }

Body Cookies Headers (4) Test Results Status: 200 OK Time: 16 ms Size: 249 B Save Response

Pretty Raw Preview Visualize JSON

200 OK

Standard response for successful HTTP requests. The actual response will depend on the request method used. In a GET request, the response will contain an entity corresponding to the requested resource. In a POST request the response will contain an entity describing or containing the result of the action.

Find and Replace Console Bootcamp Runner Trash ?

404 Not Found This response code is used when the Range header is sent from the client to request only part of a resource

Type here to search

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EXPLORER ... main.py 2, M .gitignore

OPEN EDITORS 1 UNSAVED main.py > create_posts

main.py 2, M .gitignore

FASTAPI _pycache_ venv Include Lib Scripts pyenv.cfg .gitignore main.py 2, M

```
28 def root():
29     return {"message": "Hello World"}
30
31
32 @app.get("/posts")
33 def get_posts():
34     return {"data": my_posts}
35
36
37 @app.post("/posts", status_code=status.HTTP_201_CREATED)
38 def create_posts(post: Post):
39     post_dict = post.dict()
40     post_dict['id'] = randrange(0, 1000)
41     my_posts.append(post_dict)
42     return {"data": post_dict}
43
44
45 @app.get("/posts/{id}")
46 def get_post(id: int):
47
48     post = find_post(id)
49     if not post:
50         raise HTTPException(status_code=status.HTTP_404_NOT_FOUND,
51                             detail=f"post with id: {id} was not found")
```

(path: str, *, response_model:
Any | None = None, status_code:
int | None = None, tags:
List[str] | None = None,
dependencies: Sequence[Depends]
| None = None, summary: str |
None = None, description: str |

HTTP_100_CONTINUE
HTTP_101_SWITCHING_PROTOCOLS
HTTP_102_PROCESSING
HTTP_103_EARLY_HINTS
HTTP_200_OK
HTTP_201_CREATED
HTTP_202_ACCEPTED
HTTP_203_NON_AUTHORITATIVE_INFORMATION
HTTP_204_NO_CONTENT
HTTP_205_RESET_CONTENT
HTTP_206_PARTIAL_CONTENT
HTTP_207_MULTI_STATUS

HTTP_100_CONTINUE: Literal[100]

Ln 37, Col 40 Spaces: 4 UTF-8 CRLF Python ⚙️ 🔍

main* Python 3.9.5 64-bit ('venv': venv) 2 ▲ 0 Connect

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404 Not Found This response code is used when the Range header is sent from the client to request only part of a resource

405 Method Not Allowed

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EXPLORER OPEN EDITORS 1 UNSAVED main.py .gitignore

FASTAPI _pycache_ venv Include Lib Scripts pyenv.cfg .gitignore main.py

```
main.py M .gitignore
main.py > create_posts
28 def root():
29     return {"message": "Hello World"}
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33 def get_posts():
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35
36
37 @app.post("/posts", status_code=status.HTTP_201_CREATED)
38 def create_posts(post: Post):
39     post_dict = post.dict()
40     post_dict['id'] = randrange(0, 1000000)
41     my_posts.append(post_dict)
42     return {"data": post_dict}
43
44
45 @app.get("/posts/{id}")
46 def get_post(id: int):
47
48     post = find_post(id)
49     if not post:
50         raise HTTPException(status_code=status.HTTP_404_NOT_FOUND,
51                             detail=f"post with id: {id} was not found")
```

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Find and Replace Console

404 Not Found This response code is used when the Range header is sent from the client to request only part of a resource

405 Method Not Allowed

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Postman File Edit View Help

Home Workspaces Reports Explore Search Postman Invite Upgrade

My Workspace New Import POST Create Post GET Get One Post No Environment

fastapi-course / Create Post

POST http://127.0.0.1:8000/posts

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Body Cookies Headers (4) Test Results Status: 201 Created Time: 22 ms Size: 254 B Save Response

Body Pretty Raw Preview Visualize JSON

201 Created

The request has been fulfilled and resulted in a new resource being created.

Find and Replace Console

404 Not Found This response code is used when the Range header is sent from the client to request only part of a resource

405 Method Not Allowed

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