

REST API tests

Contents

1.	Circle	2
1.1	Calculate area of circle	2
1.2	Radius missing	2
2.	Square.....	3
2.1	Calculate area of square	3
2.2	Square parameter missing.....	3
2.3	Square value missing	4
3.	Rectangle	4
3.1	Calculate area of rectangle.....	4
3.2	Rectangle value missing	5
3.3	Rectangle parameter missing	5
4.	General error	6
4.1	Shape is not supported.....	6

1. Circle

1.1 Calculate area of circle

The screenshot shows the Postman interface with a GET request to `localhost/harjoitus.php/area/circle/7.3`. The request is successful, returning a 200 OK status with a response time of 11 ms and a size of 272 B. The response body is displayed in JSON format:

```
1 {
2   "Area": 167.42,
3   "Shape type": "Circle",
4   "Radius": 7.3
5 }
```

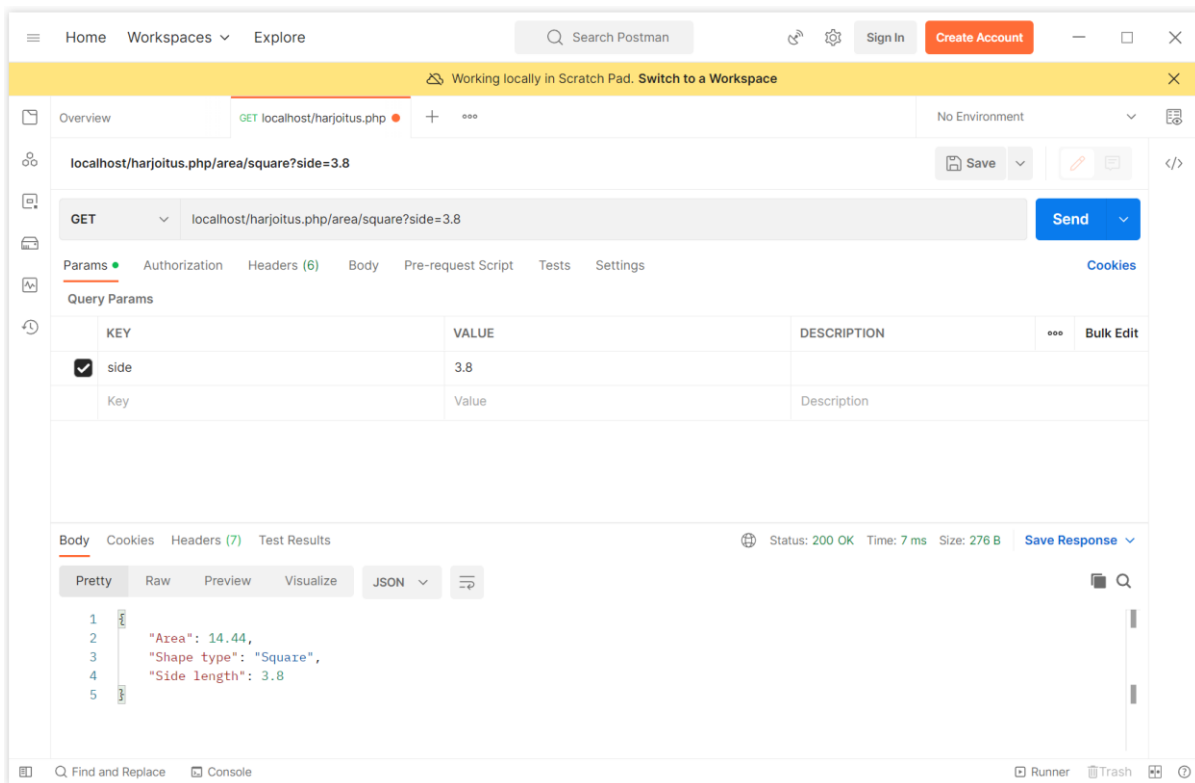
1.2 Radius missing

The screenshot shows the Postman interface with a GET request to `localhost/harjoitus.php/area/circle/`. The request results in a 400 Bad Request error with a response time of 10 ms and a size of 268 B. The response body is displayed in JSON format:

```
1 {
2   "status": "Bad Request",
3   "description": "Radius is missing or it is not ok"
4 }
```

2. Square

2.1 Calculate area of square



Working locally in Scratch Pad. Switch to a Workspace

Overview GET localhost/harjoitus.php

localhost/harjoitus.php/area/square?side=3.8

GET localhost/harjoitus.php/area/square?side=3.8

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> side	3.8			
Key	Value	Description		

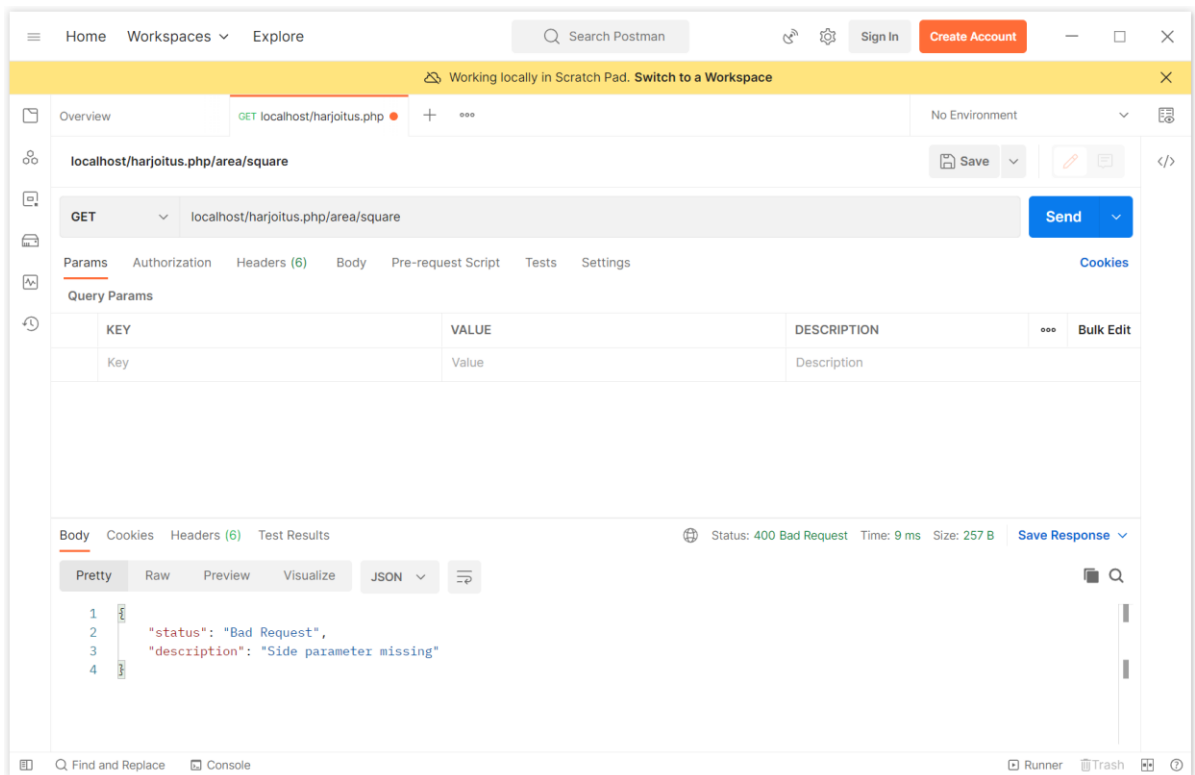
Body Cookies Headers (7) Test Results

Status: 200 OK Time: 7 ms Size: 276 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "Area": 14.44,
3   "Shape type": "Square",
4   "Side length": 3.8
5 }
```

2.2 Square parameter missing



Working locally in Scratch Pad. Switch to a Workspace

Overview GET localhost/harjoitus.php

localhost/harjoitus.php/area/square

GET localhost/harjoitus.php/area/square

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body Cookies Headers (6) Test Results

Status: 400 Bad Request Time: 9 ms Size: 257 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "status": "Bad Request",
3   "description": "Side parameter missing"
4 }
```

2.3 Square value missing

The screenshot shows the Postman interface with a GET request to `localhost/harjoitus.php/area/square?side`. The request is saved and the response is displayed in the Body tab. The response status is 400 Bad Request, and the description is "Side value is missing or it is not ok".

KEY	VALUE	DESCRIPTION
side		
Key	Value	Description

```
1 {
2   "status": "Bad Request",
3   "description": "Side value is missing or it is not ok"
4 }
```

3. Rectangle

3.1 Calculate area of rectangle

The screenshot shows the Postman interface with a POST request to `localhost/harjoitus.php/area/rectangle`. The request body is raw and contains the following JSON data:

```
1 {
2   "side1": 8.3,
3   "side2": 3.9
4 }
```

The response is displayed in the Body tab. The response status is 200 OK, and the response body is a JSON object:

```
1 {
2   "Area": 32.37,
3   "Shape type": "Rectangle",
4   "Side one": 8.3,
5   "Side two": 3.9
6 }
```

3.2 Rectangle value missing

The screenshot shows the Postman interface for a POST request to `localhost/harjoitus.php/area/rectangle`. The request body is in JSON format with the following content:

```
1 {
2   "side1": ,
3   "side2": 3.9
4 }
```

The response status is `400 Bad Request` with a time of `10 ms` and size of `277 B`. The response body is in JSON format:

```
1 {
2   "status": "Bad Request",
3   "description": "Side one or Side two are missing or not ok"
4 }
```

3.3 Rectangle parameter missing

The screenshot shows the Postman interface for a POST request to `localhost/harjoitus.php/area/rectangle`. The request body is in JSON format with the following content:

```
1 {
2   "side1": 3.9
3 }
```

The response status is `400 Bad Request` with a time of `10 ms` and size of `277 B`. The response body is in JSON format:

```
1 {
2   "status": "Bad Request",
3   "description": "Side one or Side two are missing or not ok"
4 }
```

4. General error

4.1 Shape is not supported

