

## DAY 12

20/08/2025

[GitHub](#)

1. To the existing books table, add additional column called price and add at least ten entries with some price values.

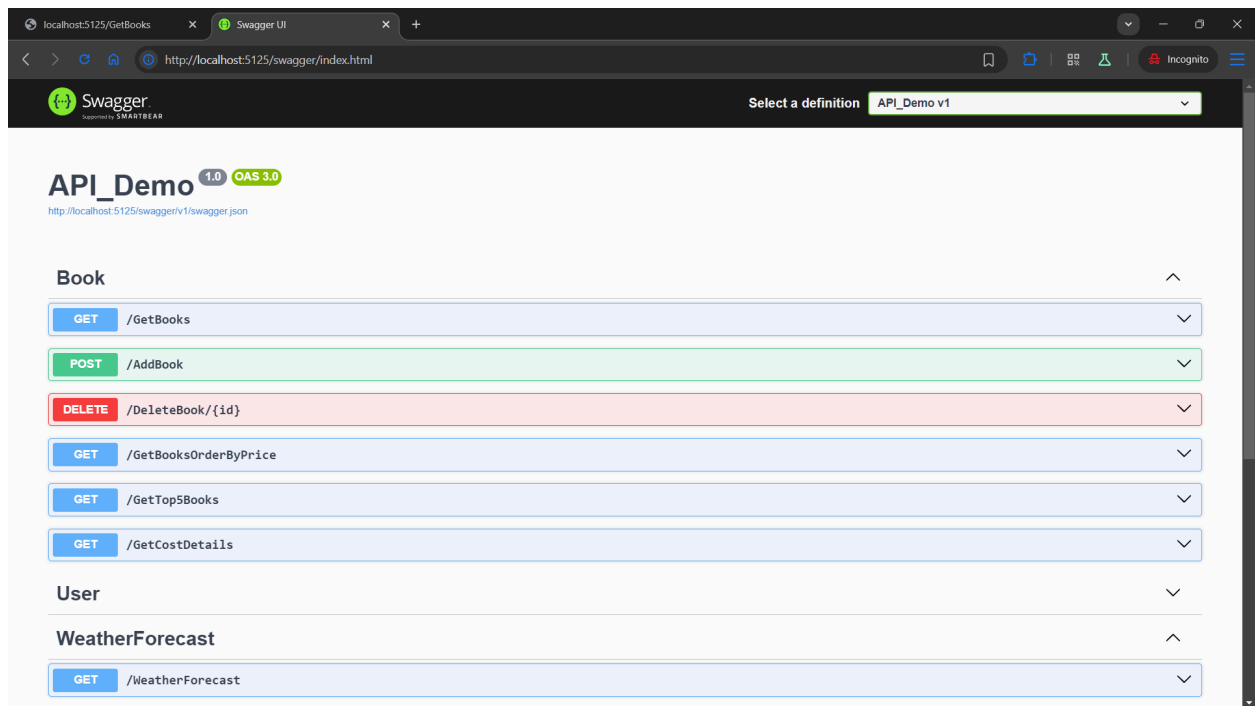
1.1 Create a post request 'GetBooksOrderedByPrice()' with a boolean parameter

1.1.1 when parameter is true, then sort by price ascending order

1.1.2 when parameter is false, then sort by price descending order

1.2 Create a get request 'GetTop5Books()' which will return top 5 costliest books

1.3 Create a get request 'GetCostDetails()' which will return the total price and average price of all books.



## Ascending Order

A screenshot of the Postman application interface. The top bar shows 'Home', 'Workspaces', and 'Explore' tabs. A search bar is present. The main area displays a GET request to 'http://localhost:5125/GetBooksOrderByPrice?sort=true'. The response status is '200 OK' with a time of '18 ms' and size of '2.84 KB'. The response body is shown in 'Pretty' format, displaying a JSON array of book objects sorted by price in ascending order. The books are: 'Whispers in the Wind' (price 11.75), 'Shadows in the Garden' (price 12.5), 'Ashes and Embers' (price 13.49), and 'Echoes of Silence' (price 13.6).

```
1 {
2   {
3     "id": 13,
4     "title": "Whispers in the Wind",
5     "description": "A romance novel about rediscovery and second chances.",
6     "rating": 3.9,
7     "price": 11.75
8   },
9   {
10    "id": 3,
11    "title": "Shadows in the Garden",
12    "description": "A psychological thriller about hidden family secrets.",
13    "rating": 3.9,
14    "price": 12.5
15  },
16  {
17    "id": 9,
18    "title": "Ashes and Embers",
19    "description": "A drama about love, loss, and rebuilding after war.",
20    "rating": 3.7,
21    "price": 13.49
22  },
23  {
24    "id": 18,
25    "title": "Echoes of Silence",
26    "description": "A psychological drama exploring grief, memory, and healing.",
27    "rating": 3.8,
28    "price": 13.6
29  },
30 }
```

## Descending Order

A screenshot of the Postman application interface. The top bar shows 'Home', 'Workspaces', and 'Explore' tabs. A search bar is present. The main area displays a GET request to 'http://localhost:5125/GetBooksOrderByPrice?sort=false'. The response status is '200 OK' with a time of '8 ms' and size of '2.84 KB'. The response body is shown in 'Pretty' format, displaying a JSON array of book objects sorted by price in descending order. The books are: 'Into the Nebula' (price 25.49), 'The Forgotten Realm' (price 24.2), 'The Quantum Enigma' (price 23.5), and 'Chronicles of the Abyss' (price 22.8).

```
1 {
2   {
3     "id": 8,
4     "title": "Into the Nebula",
5     "description": "Space exploration meets cosmic horror in deep space.",
6     "rating": 4.6,
7     "price": 25.49
8   },
9   {
10    "id": 15,
11    "title": "The Forgotten Realm",
12    "description": "High fantasy where ancient magic resurfaces after centuries.",
13    "rating": 4.5,
14    "price": 24.2
15  },
16  {
17    "id": 12,
18    "title": "The Quantum Enigma",
19    "description": "A hard sci-fi novel exploring quantum mechanics and consciousness.",
20    "rating": 4.6,
21    "price": 23.5
22  },
23  {
24    "id": 19,
25    "title": "Chronicles of the Abyss",
26    "description": "A horror novel set in the deepest parts of the ocean.",
27    "rating": 4.7,
28    "price": 22.8
29  },
30 }
```

## Top 5 Books

A screenshot of the Postman application interface. The top bar shows navigation links: Home, Workspaces, and Explore. A search bar labeled "Search Postman" is present. On the right, there are links for "Sign In" and "Create Account". The main workspace displays a GET request to `http://localhost:5125/GetTop5Books`. The "Send" button is highlighted. Below the request bar, tabs for Params, Authorization, Headers (8), Body, Pre-request Script, Tests, and Settings are visible. The "Body" tab is active, showing a JSON response in "Pretty" format. The response status is 200 OK, with a time of 7 ms and a size of 842 B. The JSON data lists 5 books with their IDs, titles, descriptions, ratings, and prices.

```
{
  "id": 8,
  "title": "Into the Nebula",
  "description": "Space exploration meets cosmic horror in deep space.",
  "rating": 4.6,
  "price": 25.49
},
{
  "id": 15,
  "title": "The Forgotten Realm",
  "description": "High fantasy where ancient magic resurfaces after centuries.",
  "rating": 4.8,
  "price": 24.2
},
{
  "id": 12,
  "title": "The Quantum Enigma",
  "description": "A hard sci-fi novel exploring quantum mechanics and consciousness.",
  "rating": 4.6,
  "price": 23.5
},
{
  "id": 19,
  "title": "Chronicles of the Abyss",
  "description": "A horror novel set in the deepest parts of the ocean.",
  "rating": 4.7,
  "price": 22.8
},
{
  "id": 1,
  "title": "The Last Stand",
  "description": "A post-apocalyptic survival story in a world ravaged by war.",
  "rating": 4.5,
  "price": 19.99
}
```

## Book Cost Details

A screenshot of the Postman application interface, similar to the one above. It shows a GET request to `http://localhost:5125/GetCostDetails`. The "Send" button is highlighted. The "Body" tab is active, showing a JSON response in "Pretty" format. The response status is 200 OK, with a time of 5 ms and a size of 190 B. The JSON data contains the total price and average price of the books.

```
{
  "totalPrice": 371.48,
  "averagePrice": 18.57
}
```