

Homework Full Stack Website Development Batch 6

Homework - Express JS & Database Integration

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Link repository : <https://github.com/munzayanahusn/express-db-integration.git>

Soal 1: Lakukan seeding untuk menambahkan 5 data baru pada data table actor yang disediakan

```
PS C:\PROGRAM-IN-C\express-db-integration\src> npm run seed

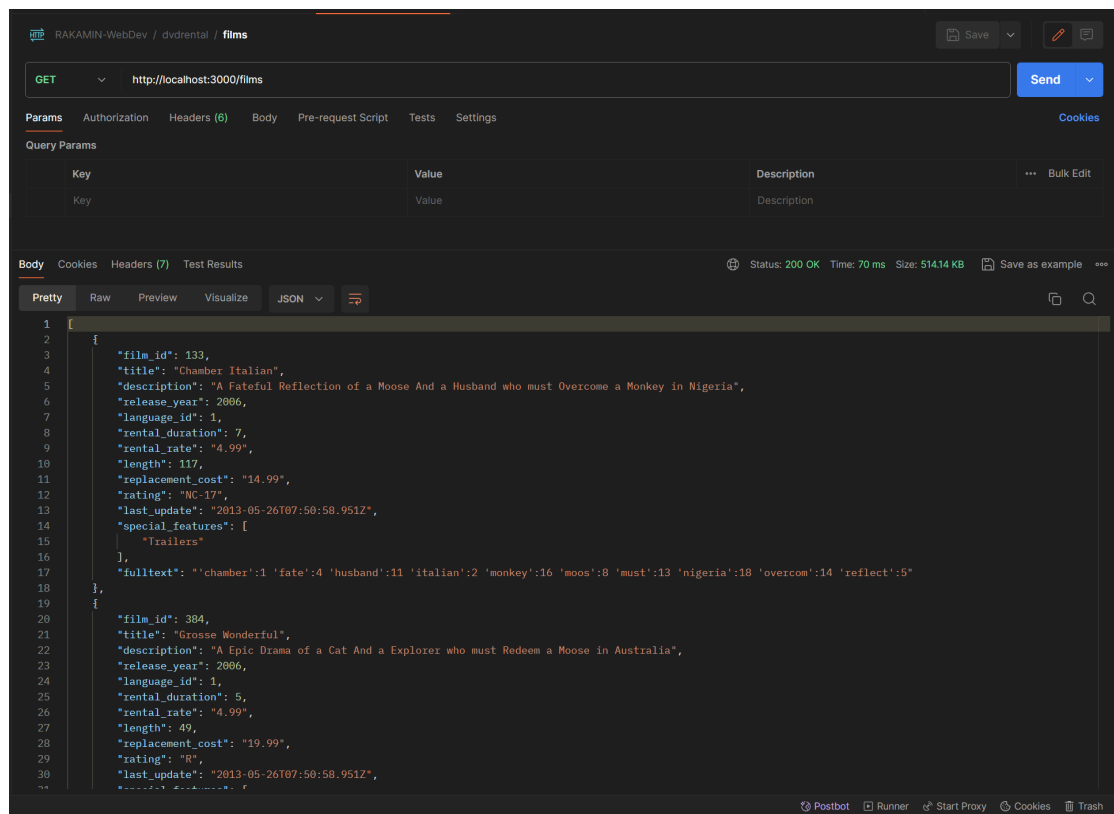
> src@1.0.0 seed
> node db/seeding.js

Seeding completed
PS C:\PROGRAM-IN-C\express-db-integration\src>

dvdrental=# SELECT * FROM actor ORDER BY actor_id DESC LIMIT 5;
actor_id | first_name | last_name | last_update
-----+-----+-----+-----
205 | Hannah | Al Rashid | 2024-03-02 11:46:49.613028
204 | Tara | Basro | 2024-03-02 11:46:49.613028
203 | Ario | Bayu | 2024-03-02 11:46:49.613028
202 | Joe | Taslim | 2024-03-02 11:46:49.613028
201 | Iko | Uwais | 2024-03-02 11:46:49.613028
(5 rows)
```

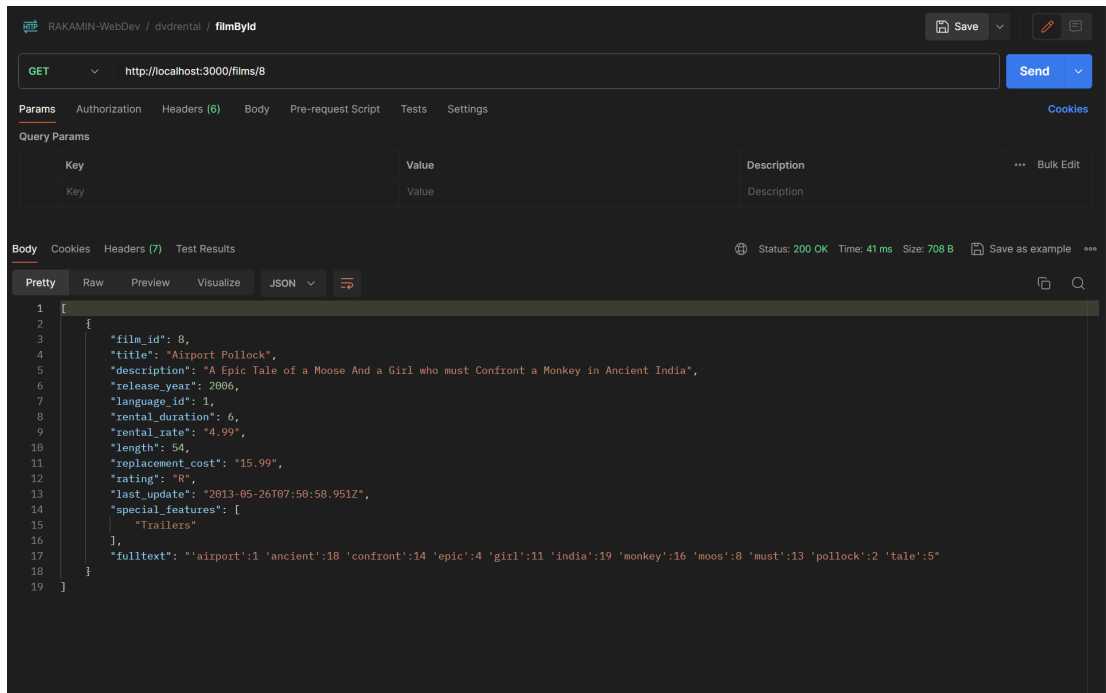
Soal 2 : Buatlah query untuk menampilkan data pada database sebagai berikut.

1. Menampilkan data seluruh list film

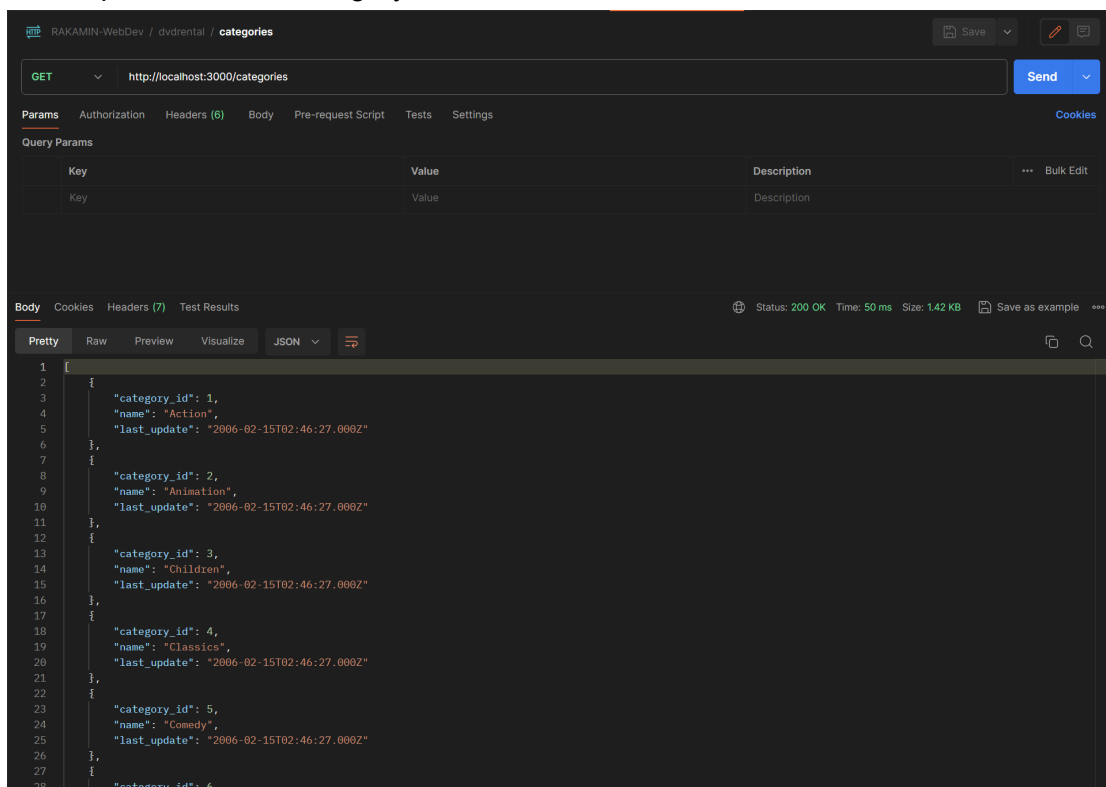


```
1 {
2   {
3     "film_id": 133,
4     "title": "Chamber Italian",
5     "description": "A Fateful Reflection of a Moose And a Husband who must Overcome a Monkey in Nigeria",
6     "release_year": 2006,
7     "language_id": 1,
8     "rental_duration": 7,
9     "rental_rate": "4.99",
10    "length": 117,
11    "replacement_cost": "14.99",
12    "rating": "NC-17",
13    "last_update": "2013-05-26T07:50:58.951Z",
14    "special_features": [
15      "Trailers"
16    ],
17    "fulltext": "'chamber':1 'fate':4 'husband':11 'italian':2 'monkey':16 'moos':8 'must':13 'nigeria':18 'overcom':14 'reflect':5"
18  },
19  {
20    "film_id": 384,
21    "title": "Grosse Wonderful",
22    "description": "A Epic Drama of a Cat And a Explorer who must Redeem a Moose in Australia",
23    "release_year": 2006,
24    "language_id": 1,
25    "rental_duration": 5,
26    "rental_rate": "4.99",
27    "length": 49,
28    "replacement_cost": "19.99",
29    "rating": "R",
30    "last_update": "2013-05-26T07:50:58.951Z",
31    "special_features": [
32      "Trailers"
33    ],
34    "fulltext": "'cat':1 'drama':11 'epic':2 'explorer':16 'moose':8 'redeem':13 'australia':18 'wonderful':14 'wonderful':5"
35  }
36 }
```

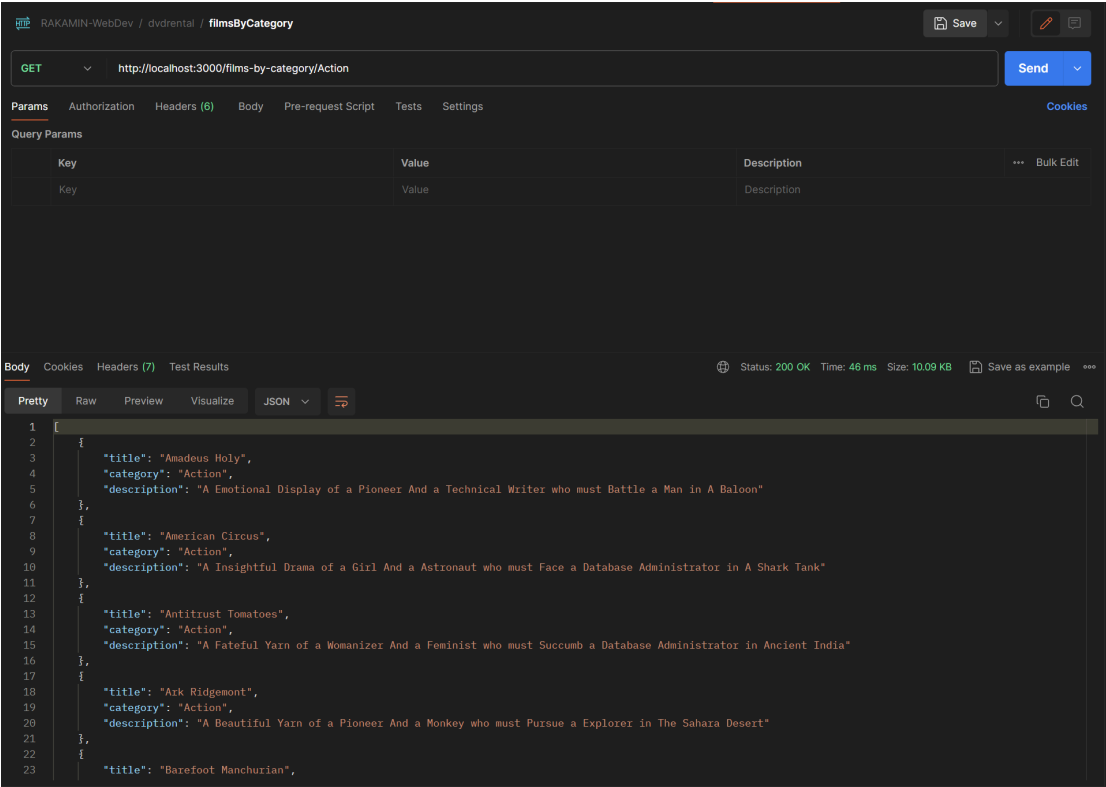
2. Menampilkan data film tertentu berdasarkan id



3. Menampilkan data list category



4. Menampilkan data list film berdasarkan category



Soal 3: Lakukan migrasi database dengan menambahkan column age pada tabel actor yang tersedia

```
PS C:\PROGRAM-IN-C\express-db-integration\src\db> db-migrate up
received data: /* Replace with your SQL commands */
ALTER TABLE actor
ADD COLUMN age INT;
[INFO] Processed migration 20240302050812-initialize
[INFO] Done
PS C:\PROGRAM-IN-C\express-db-integration\src\db>
```

```
dvdrental=# SELECT * FROM actor ORDER BY actor_id DESC LIMIT 5;
 actor_id | first_name | last_name | last_update | age
-----+-----+-----+-----+-----
      205 | Hannah    | Al Rashid | 2024-03-02 11:46:49.613028 |
      204 | Tara      | Basro     | 2024-03-02 11:46:49.613028 |
      203 | Ario      | Bayu      | 2024-03-02 11:46:49.613028 |
      202 | Joe       | Taslim    | 2024-03-02 11:46:49.613028 |
      201 | Iko       | Uwais     | 2024-03-02 11:46:49.613028 |
(5 rows)
```