

How to Insert Data

1. Database Structure

Table: Movie

Attributes:

- mid – An autofield.
- name – Movie name, max_length = 50
- description – Movie description, max_length = 1000
- region – Released region, max_length = 50
- released_date – A date field.
- poster – Poster's path
- director – A foreign key, referencing pid in Person table
- rating – A decimal number between 0 and 5, with 1 decimal digit, you can just set to 0 at first.
- vote_count – An integer, the total number of reviews of movie, you can set to 0 at first.

Example

mid	name	region	released_date	poster	director_id	description
4	The Avengers	United States	2012-05-04 12:00:00	../movies/posters/The_Avengers_2012_film_poster.jpg	5	Marvel's The Avengers(6) (classified under the name Marv...
5	Avengers: Age of Ultron	United States	2015-05-01 00:00:00	../movies/posters/Avengers_Age_of_Ultron_poster.jpg	5	Avengers: Age of Ultron is a 2015 American superhero fil...
6	Avengers: Infinity War	United States	2018-04-27 00:00:00	../movies/posters/Avengers_Infinity_War_poster.jpg	6	Avengers: Infinity War is a 2018 American superhero film...
7	Avengers: Endgame	United States	2019-04-26 00:00:00	../movies/posters/Avengers_Endgame_poster.jpg	6	Avengers: Endgame is a 2019 American superhero film ...
8	The Lord of the Rings: The Fellowship of the Ring	New Zealand	2001-12-20 00:00:00	../movies/posters/LOTRFOTRmovie.jpg	7	The Lord of the Rings: The Fellowship of the Ring is a 20...
9	The Lord of the Rings: The Two Towers	New Zealand	2002-12-19 00:00:00	../movies/posters/Lord_of_the_Rings_-...	7	The Lord of the Rings: The Two Towers is a 2002 epic ...
10	The Lord of the Rings: The Return of the King	New Zealand	2003-12-18 00:00:00	../movies/posters/The_Lord_of_the_Rings_-...	7	The Lord of the Rings: The Return of the King is a 2003 ...

Table: Movie_genre

Attributes:

- movie – A foreign key, referencing mid in Movie table
- genre_type – Genre like action, adventure, horror ...

Example

id	genre_type	movie_id ↕
17	Action	4
10	Adventure	4
24	Science fiction	4
14	Action	5
7	Adventure	5
21	Science fiction	5
16	Action	6

Table: Cast

Attributes:

- cast - A foreign key, referencing pid in Person table
- movie - A foreign key, referencing mid in Movie table

Example

id	cast_id	movie_id
Fi...	Filter	Filter
5	8	10
6	9	10
7	10	10
8	11	10
9	12	10
10	8	9

Table: Person

Attributes:

- pid - An autofield
- name – Person’s name, max_length = 50

Example

pid	name
Fi...	Filter
1	test_director1
2	test_director2
3	test_actor1
4	test_actor2
5	Joss Whedon
6	Russo brothers
7	Peter Jackson
8	Elijah Wood
9	Ian McKellen
10	Liv Tyler

Table: Review

Attributes:

- user - A foreign key, referencing uid in User table
- movie - A foreign key, referencing mid in Movie table
- review_comment – Text review, max_length = 1000
- rating_number – A decimal number between 0 and 5, with 1 decimal digit
- date – A date field

Example

id	review_comment	rating_number	date	movie_id	user_id
Fi...	Filter	Filter	Filter	Filter	Filter
4	Marvel's The Avengers (2012) is an awesome descent MC...	5.0	2013-02-03 06:37:24	5	4
5	'Avengers Assemble' ('The Avengers') is a truly enjoyable ...	5.0	2015-11-04 06:40:34	4	5
6	I was lucky enough to attend the Marvel screening of 'Th...	4.5	2018-04-11 06:41:19	4	6
7	I just saw the early screening for San Diego through the ...	4.7	2012-12-30 06:41:53	4	7
8	I just loved Marvel's Avengers. I thought it was smart and...	5.0	2012-11-13 06:42:38	4	8
9	This movie portrays a villain that by far has been the best...	5.0	2018-07-30 06:43:30	6	3
10	This film is way better than endgame! The actions better ...	5.0	2019-01-01 06:44:00	6	6
11	I was amazed to see so many negative reviews; so many ...	4.3	2018-09-10 06:44:42	6	10
12	Best movie Avengers infinity war 2018 I was amazed to s...	4.9	2019-01-02 06:45:05	6	13
13	I have to say, my first reaction walking out of the cinema ...	3.0	2019-12-11 09:35:54	7	5

2. How to Insert Data

For example if you want to insert a row of data into Movie table

```
name = 'Avengers'
descript = 'description for this movie'
region = 'United States'
date = '2019-12-10'
director = 4    # This is the pid in Person table

a = Movie(name=name, description=descript, region=region, released_date=date, director=director,
           poster='', rating=0, votecount=0)
a.save()
```

* You can ignore those AutoField when inserting data, in this case, ignore mid*

Since director is a foreign key, it might be better that insert data into Person table first, then insert data into Movie table, then Genre table.