

# Homework 4

## Group 5

TA: 葉承翰

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### Introduction

In this homework, you have to create a toy [dataset](#) in Vanilla DB, trace the source code for each query and write a report. Your report should describe all the modules that been used in each query and their functions as detail as possible.

### Tables:

#### anime

<b>anime_anime_id</b>	myanimelist.net's unique id identifying an anime.
name	full name of anime.
genre	comma separated list of genres for this anime.
type	movie, TV, OVA, etc.
episodes	how many episodes in this show. (1 if movie, 0 for unknown).

#### ratings

user_id	user id.
<b>ratings_anime_id</b>	the anime that this user has rated.
rating	rating out of 10 this user has assigned.

### Questions:

1. select anime\_anime\_id, count(**user\_id**) from ratings group by anime\_anime\_id
2. select anime\_anime\_id, avg(ratings\_rating) from anime, ratings where anime\_anime\_id = ratings\_anime\_id and anime\_name = 'c' group by anime\_anime\_id
3. Add index and redo 2.
  - a. anime\_anime\_id in table anime
  - b. anime\_name in table anime
  - c. ratings\_anime\_id in table ratings

**Due Date: 23:59, June 11, Sunday, 2017**

If you have any questions, feel free to contact me.