FINAL Exam: DATABASE

WEP 2024
{3h 00}
25 JAN 2023

RULES:

- Chatting and talking to other students is forbidden
- You are allowed to use PhpMyAdmin or VSCode or any other software. But it is not required

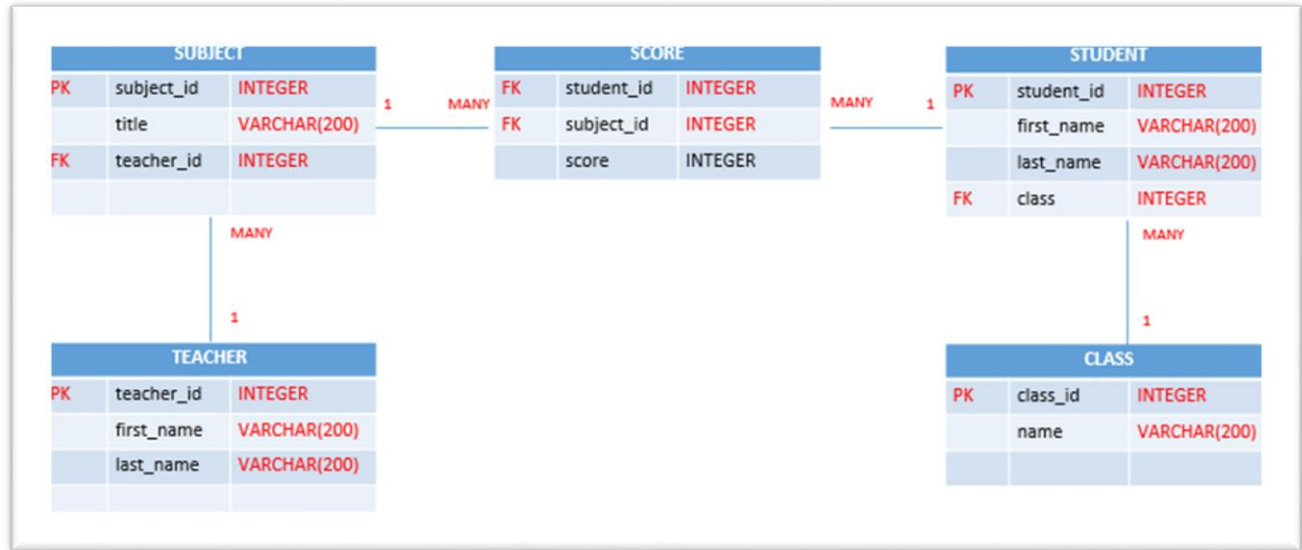- Write (copy/paste) your answer below the question. Do not screenshot.

HOW DO I SUBMIT THE EXAM?
- Save this document as a yourfullname.PDF file
- In Google Classroom, attach this file to submit.

EXERCISES	POINTS
THOERYS	20
EXERCISE 1	20
EXERCISE 2	20
EXERCISE 3	20
EXERCISE 4	20
EXERCISE 5	20
TOTAL	**100**

I.   Exercise 03 (20 points) Basic SQL Query

Write SQL query to create tables that have in Entity Relational Diagram (ERD) below:

Your Query:

```
create table teacher(
   -> teacher_id int not null,
   -> fist_name varchar(200) not null,
   -> last_name varchar(200) not null
   -> );




create table student(
   -> student_id int not null,
   -> first_name varchar(200),
   -> last_name varchar(200),
   -> class int not null
   -> );




create table score(
   -> student_id int not null,
   -> subject_id int not null,
   -> score int not null
   -> );
```

```
create table class(
   -> class_id int not null,
   -> name varchar(200) not null
   -> );



create table subject(
   -> subject_id int not null,
   -> title varchar(200) not null,
   -> teacher_id int not null
   -> );
```
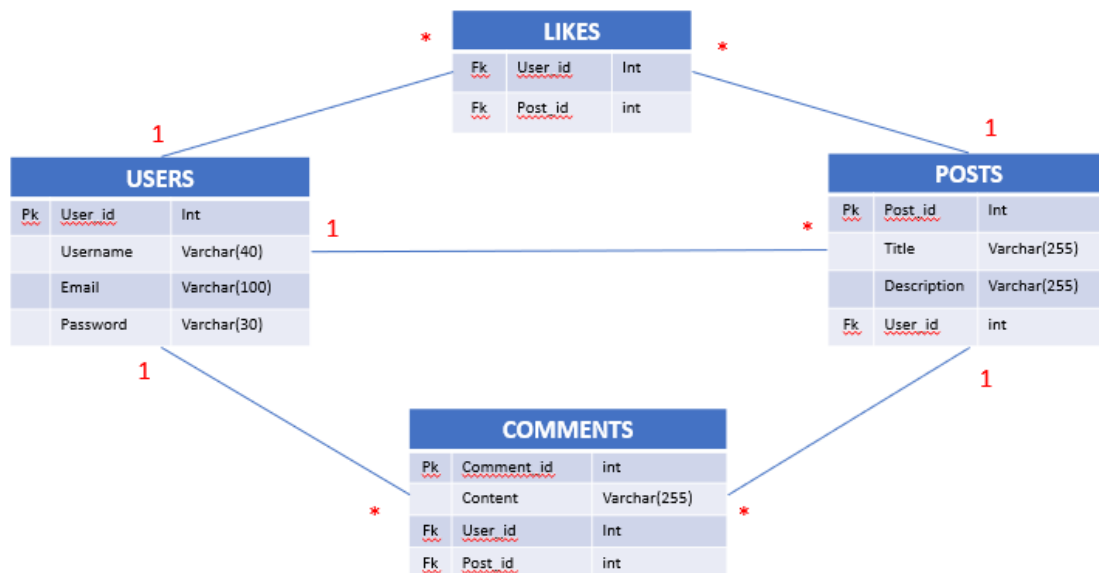
II.   Exercise 04 (20 points) SQL Query Select

Important: *Import database name "database_final_exam.sql" into your databasae.*

Q1 – (10 POINTS): Write a SQL statement to display all POSTS for the user named "**Rady Y**"
Expected result:

```
+--------------+-----------------------------------+
| title        | description                       |
+--------------+-----------------------------------+
| Play football | Joining the match with my students |
| Fishing day!  | I when to my hometown this weekend |
+--------------+-----------------------------------+
```

Your Query:

select title,description from posts inner join users on posts.user_id=users.user_id where username ='Rady Y';

Q2 – (10 POINTS): Write a SQL statement to display the username of who likes on many posts.

Expected result:

```
+-----------+------------------+
| username  | number of likes  |
+-----------+------------------+
| Him HEY   |               3  |
+-----------+------------------+
```

Your Query:

select username,count(posts) as numberoflike group by username from users inner join posts on users.post_id=posts.post_id where username='Him HEY';