

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.

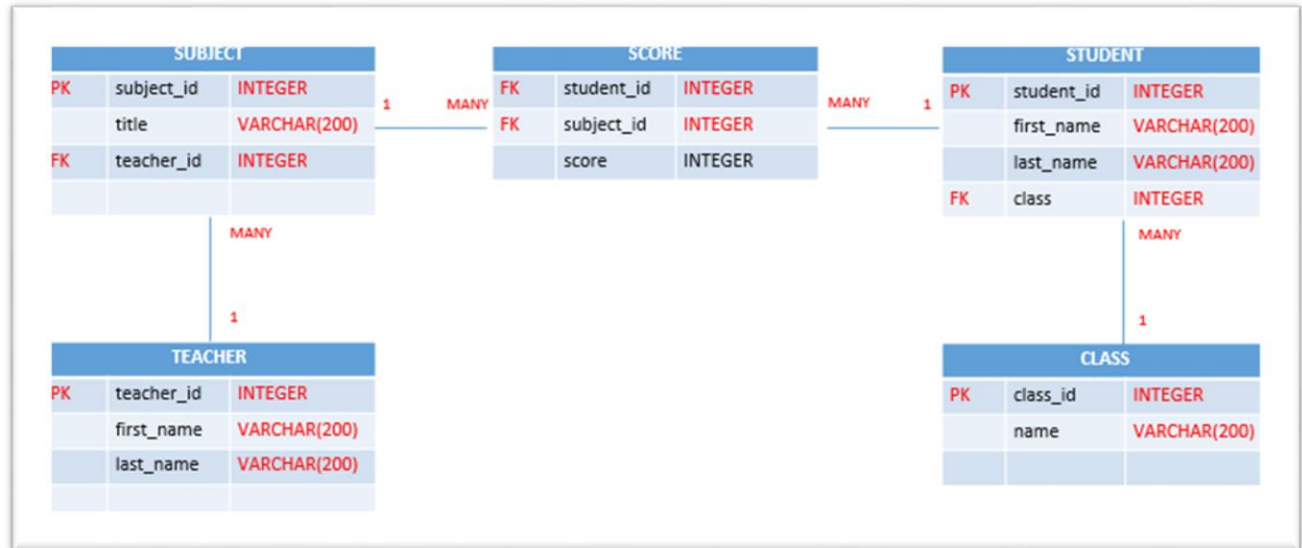
HOW DO I SUBMIT THE EXAM?

- 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:

MariaDB [erd_db]> create table teacher(

-> teacher id int not null primary key auto increment,

-> First Name varchar (200),

-> Last Name varchar (200)

->);

MariaDB [erd_db]> create table class(

-> class id int not null primary key auto increment,

-> class Name varchar(200)

->);

MariaDB [erd_db]> create table subjects(

-> subject id int not null primary key auto increment,

-> title varchar(200),

-> teacher id int,

-> foreign key(teacher id) references teacher(teacher id)

->);

MariaDB [erd_db]> create table students(

-> student id int not null primary key ,

-> First name varchar(200),

-> Last name varchar(200),

-> class id int,

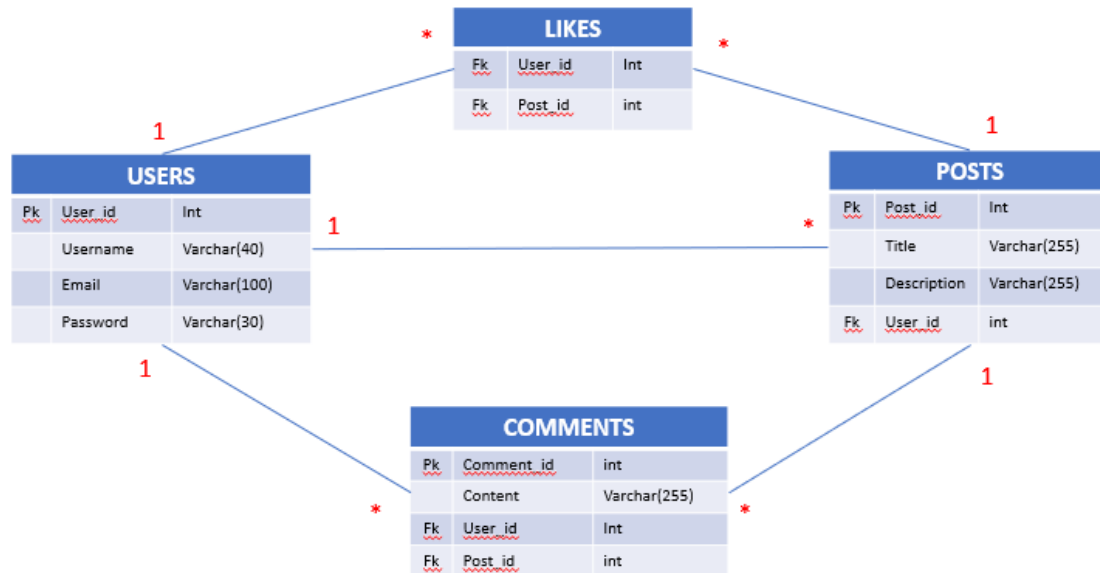
-> foreign key(class id) references class(class id)

->);

```
MariaDB [erd db]> create table score(  
-> student_id int,  
-> subject_id int,  
-> score int,  
-> foreign key(student_id) references students(student_id),  
-> foreign key(subject_id) references subjects(subject_id)  
-> );
```

II. Exercise 04 (20 points) SQL Query Select

Important: Import database name "database_final_exam.sql" into your databases.



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 posts from users inner join posts on users.user id = posts.user id where users.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 likes from posts.post_id inner join likes on likes.user_id = posts.user_id where likes > 1;