

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.

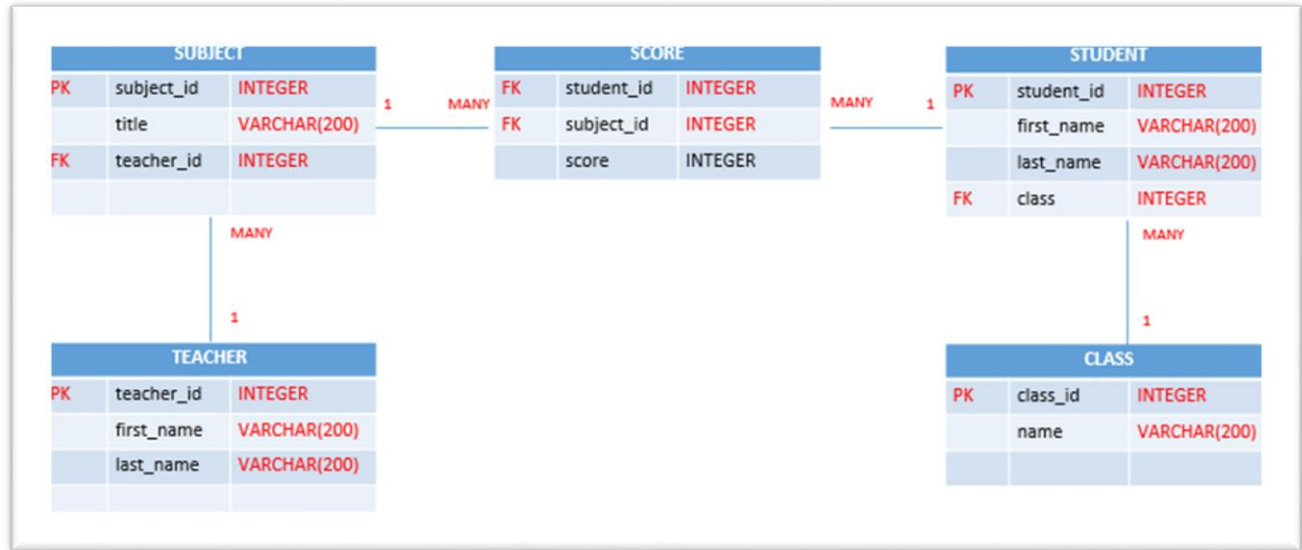
HOW DO I SUBMIT THE EXAM?

- 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 primary key,

-> first name varchar(200),

-> last name varchar(200)

->);

create table subject (

-> subject id int primary key,

-> title varchar(200),

-> teacher id int null,

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

->);

create table class (

-> class id int primary key,

-> name varchar(200)

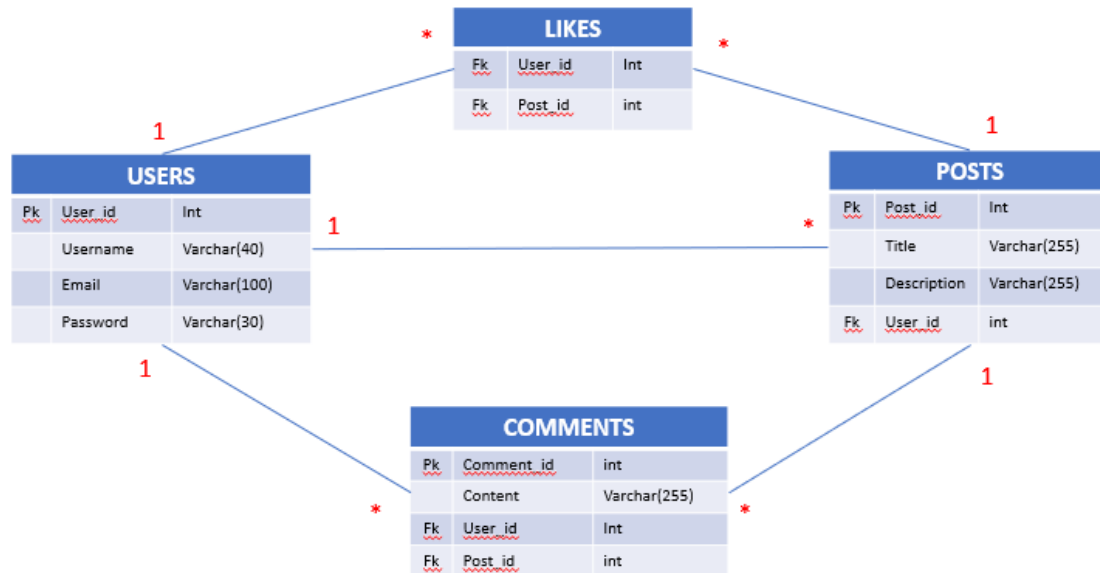
->);

```
create table student (  
-> student id int primary key,  
-> first name varchar(200),  
-> last name varchar(200),  
-> class id int null,  
-> foreign key(class id) references class(class id)  
-> );
```

```
create table score (  
-> student id int null,  
-> foreign key(student id) references student(student id),  
-> subject id int null,  
-> foreign key(subject id) references subject(subject id),  
-> score int  
-> );
```

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 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 from likes inner join users on likes.user_id=users.user_id where
username= 'Him HEY' limit 3;