# **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.

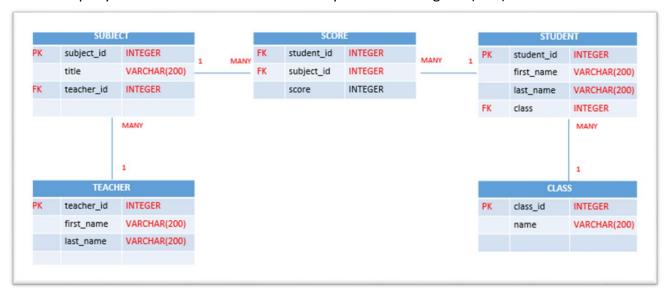
#### **HOW DO I SUBMIT THE EXAM?**

- 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:



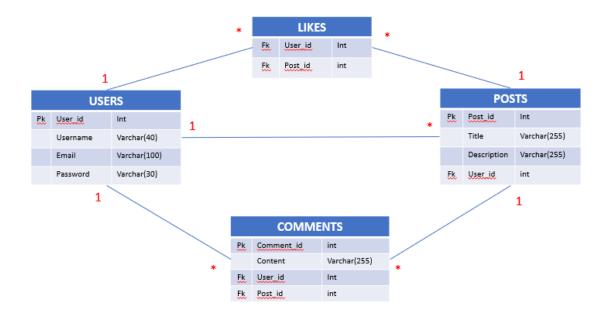
#### **Your Query:**

```
Teachers
  CRATE table teachers(
    teacher_id int NOT NULL primary key auto_increment,
    first name varchar(200),
    last_name varchar(200)
);
    Classs
    CREATE table classs(
      class id int NOT NULL primary key auto increment,
      name varchar(200)
       );
    Subjects
    CREATE table subjects(
      subject id int NOT NULL primary key auto increment,
      title varchar(200),
      teacher id int,
      FOREIGN KEY (teacher_id) REFERENCES teachers(teacher_id)
      );
```

```
Students
CREATE table students(
  student_id int NOT NULL primary key auto_increment,
  first_name varchar(200),
  last_name varchar(200),
  class_id int,
  FOREIGN KEY (class_id) REFERENCES classs(class_id)
  );
Score
CREATE table scores(
  student_id int,
  subject_id 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 databasae.



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

#### **Your Query:**

```
SELECT title,description FROM posts
INNER JOIN users ON users.user_id=posts.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:** 

	number of likes
+   Him HEY +	+

### Your Query:

