

SQL Take-home Quiz 1A - Sarah Morris

CSN SQL Take Home Quiz Chapter 3 & 4

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Name

Please work independently on this (not with other students in a study session)

1. At the highest level, the SELECT statement can be characterized as having three fundamental capabilities one of these is joining.

- a. JOINING: means asking a question of more than 1 table
- b. PROJECTION: refers to the ability of a SELECT statement to choose a subset of the columns in a given table
- c. SELECTION: the ability of a SELECT statement to choose a subset of the rows in a given table

2. What two key words are used to sort the results of a SQL query.

- a. ORDER b. BY

3. Assume the following create table statement works correctly. Now check (pass), or F (fail) for each insert statement below

```
create table students
(stud_id integer primary key,
 status varchar2(10),
 passcode varchar2(10) unique,
 constraint chk_status check (status in ('Full Time','Part Time')))
;
```

- ☐ P / ☒ F insert into students values (199, 'FULL TIME', null);
- ☒ P / ☐ F insert into students (stud_id) values (203);
- ☒ P / ☐ F insert into students values (200, null, null);
- ☒ P / ☐ F insert into students (status, passcode, stud_id)
values ('Part Time', 'HD*87', 204);
- ☒ P / ☐ F insert into students values (201, null, 'Z@TPF');
- ☐ P / ☒ F insert into students values (202, 'Part Time', 'YHD0');

4. Assume the following create table statement works correctly. Now circle P (pass), F (fail) for each insert statement below

```
create table painters
(painter_id integer,
rate number(4,2),
tax_id varchar2(10) unique,
constraint p_pk primary key (painter_id)
);
```

- P / ☒ F insert into painters (rate, painter_id) values (99.996, 200);
- ☒ P / F insert into painters values (201, 49.99, '777888');
- P / ☒ F insert into painters (tax_id, rate, painter_id)
values ('777888', 99.991, 203);
- ☒ P / F insert into painters values (202, 19.49); **Not Enough Values**
- P / ☒ F insert into painters (tax_id, rate) values ('888999', 21.75); *no painter_id*
- ☒ P / F insert into painters values (444, 50, '989898');

5. What two key words are mandatory when writing the simplest SQL statement?

- a. SELECT
- b. FROM

6. SELECT statement is said to have two capabilities one that governs rows returned and the other which columns.

- c. You may use the SELECT statement to choose a subset of the rows in a given table. What word from chapter 4 describes this SELECTION?

- a. The SELECT statement can choose a subset of the columns to return. What word from chapter 4 describes this PROJECTION?