

CS1555 Recitation 1 - Solution

Objective: To get used to Oracle and practice SQL queries on Oracle

Part 1: Practice some DDL statements

Write the SQL statements to create the two relations Student and Student_Dir whose schemas are as follows, together with their primary key, and not null constraint.

Student (sid varchar2(5), name varchar2(15), class number(2), major varchar2(10))
PK: (sid)
Student_Dir (sid varchar2(5), address varchar2(30), phone varchar2(15))
PK: (sid)

drop table student cascade constraints;

```
create table student (  
    sid          varchar2(5) not null,  
    name         varchar2(15) not null,  
    class        number(2),  
    major        varchar2(10),  
    constraint   pk_student primary key(sid));
```

drop table student_dir cascade constraints;

```
create table student_dir (  
    sid          varchar2(5) not null,  
    address      varchar2(30),  
    phone        varchar2(15),  
    constraint   pk_student_dir primary key(sid));  
commit;
```

Part 2: Insert data

1. Insert the following data to the created relations in the given order.

Student_Dir

SID	Address	Phone
123	333 Library St	555-535-5263

Student

SID	Name	Class	Major
123	John	3	CS

```
insert into student_dir(sid, address, phone)  
values('123', '333 Library St', '555-535-5263');
```

```
insert into student(sid, name, class, major)  
values('123', 'John', 3, 'CS');  
commit;
```

2. Copy the script creating the full Student database to your current working directory and execute the script.
 - a) Copy the script: **host cp** ~panos/1555/recitation/studentdb.sql studentdb.sql
 - b) Run the script: **@studentdb**
 - c) Check what tables you have in the database. From sqlplus run the following command:
`select table_name from user_tables;`