

## ORACLE - SQL: Lab 1

0. Connect to Oracle.

```
SQL> connect /@acal
```

1. Check who you are  
**SELECT user FROM dual;**
2. Check the tables in your database:  
**SELECT \* FROM tab;**
3. Create the following table:

```
CREATE TABLE Staff  
( staffId          VARCHAR2 (6) PRIMARY KEY,  
  staffName       VARCHAR2(15),  
  staffDOB        DATE,  
  staffFaculty    VARCHAR2(6)  
);
```

4. Check the tables in your database.  
**SELECT \* FROM tab;**
5. Remove the table from the database:
6. Check the tables in your database.
7. The Staff table was generated from a schema that includes a Faculty relation as well. The primary keys are underlined and the foreign keys are indicated by a star (\*).

**Faculty(facultyId, facultyName, NoOfStaff)**

**Staff(staffId, staffName, staffDOB, \*staffFaculty)**

8. Use the data types introduced in the lecture and create the tables for the Staff and Faculty relations.  
Please make sure that the primary and foreign keys are clearly indicated.

Add constraints to ensure that the facultyName is not null and that NoOfStaff is always greater than 1.

9. Check the tables in your database.
10. Remove the Faculty table **first** from the database;
11. Comment on the message.
12. Remove the Faculty table with the following statement:  
**DROP TABLE Faculty CASCADE CONSTRAINTS;**