## Lab Exercise 12

This lab we are looking at creating tables as well as recapping the views from previous lectures. In order to test to see if your table has been created successfully you are to run the CREATETABLE\_TEST.SQL script for this lab **ONLY WHEN YOU ARE CONFIDENT THAT YOU HAVE CREATED THE TABLE SUCESSFULLY!**

Work in groups of 2 for this task, it is estimated that you will spend between 10 and 15 mins on this lab.

Task 1

Create a table that will hold the list of guidance tutors for the university. The table should be named guidancelist and you are required to hold the student number, the tutor id, tutor name and the program that the student is enrolled on. There is expected to be less than 15K of data initially imported into the table and the table will not grow more than about 10k a year once it has been set up. Before you create the table carry out the following checks

1. Which attribute uniquely identifies the record of data?
2. Are there any referential integrity checks that need to be incorporated into the table creation
3. What storage parameters are required
4. What will you name your attributes
5. What data types will you give your attributes
6. Why have you sized them that way?

CREATE TABLE GuidanceList (

student\_id NUMBER(6) REFERENCES Student (studentid),

tutor\_id NUMBER(6) REFERENCES StaffMember (staffid),

tutor\_name VARCHAR(20),

program VARCHAR(30),

CONSTRAINT pk\_guidancelist PRIMARY KEY (student\_id)

)

STORAGE (

INITIAL 15K

NEXT 10K

PCTINCREASE 0

)

Task 2

1. Describe your new table

DESC GuidanceList

1. Run the query listed above

Did it run?

Yes

1. Select data from your new table, is there any data present?

yes

Task 3

Create a query that will list the guidance tutors for all the students who are doing Comp Sci or Games degrees.

SELECT DISTINCT tutor\_name, program

FROM GuidanceList

WHERE program = ‘Comp Sci’

OR program = ‘Games’;