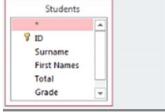# Lecture 15: Database 2

Exercise 1: QBE

Complete this QBE grid so that it will return the first name, surname and grade (in that order) of all students who have received an A+. Sort the results by surname in alphabetical order.

Exercise 1B:

Write the SQL command that will return the same result as the QBE above

SELECT [First Names], Surname, Grade FROM Students WHERE Grade = 'A+';

Exercise 1C:

Write the SQL command that would return the surnames and ID numbers of the students, ordered according to their total marks.

SELECT Surname, ID FROM Students ORDER BY Total ASC;

Exercise 2:

Write a query in SQL to list the employee ID, first name, last name and credit limits of the employees with a credit limit over $20.00.

```
SELECT employee_id, first_name, last_name, credit_limit
FROM EMPLOYEES
WHERE credit_limit > 20;
```

Exercise 3:

Write a query in SQL to list the employee ID, first name, last name and credit limits of the employees in the Sales department. Sort by employee ID.

```
SELECT EMPLOYEE_ID, FIRST_NAME, LAST_NAME, CREDIT_LIMIT
FROM Employees
WHERE DEPT_CODE="SAL"
ORDER BY EMPLOYEE_ID;
```

Exercise 4:

Write a query in SQL to list the employee ID, first name, last name and hire_date of all the employees joined before 30 Apr 2008.

```
SELECT EMPLOYEE_ID, FIRST_NAME, LAST_NAME, HIRE_DATE
FROM Employees
WHERE HIRE_DATE<#4/30/2008#;
```