

Remember! To connect:

Connect /@acal

The objectives of this lab include:

- Constructing simple SELECT statements
 - Producing lists by selected columns
 - Producing lists by selected rows
 - Producing sorted lists
 - Using some SQL functions
1. Produce a list of employees showing for each employee his/her id, surname and Monthly Salary. The list should be headed Staff ID, Surname and Monthly Salary.
 2. Produce a list of the departments. The list should be headed: **Dept NAME Dept Code Dept Manager**
 3. Produce a list of job levels showing for each level the minimum salary and the maximum salary
 4. Produce a list of employees showing for each employee his/her first name, his her surname (all in capital letters) and his/her id. The list should be headed as follows: "First Name" "Surname" "Staff ID". The list should be sorted by surname
 5. Produce a list of employees that earn annual salaries more than 23000. The list should show for each employee, the "Staff ID" and the "Annual Salary". The list should be sorted in descending order of salary
 6. Produce a list of all the staff in department COM1. The list should include for each staff, his/her staff id, surname, first name and the annual salary. The list should be sorted in ascending order of salary and then surname.
 7. Produce a list of staff that earn between 20000 and 70000 in the Sal1 department.

8. It has now been decided that the date employed by each staff should be included in the employees table. Modify the employees table to include this attribute. Its data type is date.

9. Store the date that each staff listed below was employed as shown in the table below. SQL date format: '01-Jan-01'

ID	First Name	Surname	Date employed
SK01	Stephen	WASH	26 th September 2001
SK02	Suky	Kaur	1 st October 1997
Mp03	Mary	Powell	1 st January 1998
Pw05	Peter	Wood	6 th July 2004
Jk06	John	King	17 th March 2009
Ms08	Mike	Smith	18 th August 2011
MJ19	Mark	Jones	14 th July 2008
ps	Paul	Sawyer	10 th October 2010

10. Produce a list of staff employed after the **6th of July 2004**. The list should be headed Staff ID, Surname , Department, Date employed. Those recently employed should be listed first.
11. The annual salary of each staff has been increased by 1%. Implement the appropriate SQL statement to reflect this increase.
12. Produce a staff list showing for each staff his/her first name, followed by his/her surname and followed by the staff's percentage commission if applicable. Those who are not entitled to a percentage commission should have a zero displayed in the percentage commission column. The list should be headed: First Name Surname Percentage Commission

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