



SQL Practise Assignment_3

SQL-ASSIGNMENT-3

A company, Omega Systems, have their Head Office in America and operate other branches in several locations. You work as an IT Assistant accessing the company database, fulfilling requests for information and services from other departments or branches. Your job involves writing and testing SQL scripts to provide the information and services required. The following requests have been received today, via e-mail, from the Accounting and Personnel Departments and the IT Manager.

Accounting Department Requirements:

Request 1

List the last name, first name and employee number of all programmers who were hired on or before 21 May 1991 sorted in ascending order of last name.

Request 2

List the department number, last name and salary of all employees who were hired between 16/09/87 and 12/05/96 sorted in ascending order of last name within department number.

Request 3

List all the data for each job where the average salary is greater than 15000 sorted in descending order of the average salary.

Request 4

List the last name, first name, job id and commission of employees who earn commission sorted in ascending order of first name. (Commision=Annual_Salary* Commission_Percent)

Request 5

Which Job Title are found in the IT and Sales departments?

Request 6

List the last name of all employees in department no 10 and 40 together with their monthly salaries (rounded to 2 decimal places), sorted in ascending order of last name.

Request 7

Show the Annual Salary salaries displayed with no decimal places.

Personnel Department Requirements

Request 8

Show the total number of employees.

Request 9

List the department number, department name and the number of employees for each department that has more than 2 employees grouping by department number and department name.

Request 10

List the department number, department name and the number of employees for the department that has the highest number of employees using appropriate grouping.

Request 11

List the department number and name for all departments where no programmers work.

Request 12

Update all the Annual salaries for jobs with an increase of 1000.

Request 13

List all the data for jobs sorted in ascending order of job id.

Request 14

The job history for employee number 102 is no longer required. Delete this record.

Request 15

Prepare a table with percentage raises, employee numbers and old and new salaries. Employees in departments 20 and 10 are given a 5% rise, employees in departments 50, 90 and 30 are given a 10% rise and employees in other departments are not given a rise.

IT Manager Requirements

Request 16

Create a new view for manager's details only using all the fields from the employee table.

Request 17

Show all the fields and all the managers using the view for managers sorted in ascending order of employee number.