Logical and practical data modelling

## Final Project

A company, Delta Books who supply educational books, 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 fax and e-mail, from Finance, Human Resources and the Database Administrator

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| --- | --- | --- | --- |
| Request Number | Description | SQL Query | Results set (if appropriate) |
| 1 | Add the following new jobIT\_ASST, IT Assistant, 5000, 8000 |  |  |
| 2 | Update all the minimum salaries for jobs with an increase of 500. |  |  |
| 3 | List all the data for jobs sorted in ascending order of job id. |  |  |
| 4 | List the last name, first name and employee number of all employees that have a last name starting with M. |  |  |
| 5 | List all the data for all jobs where the minimum salary is less than or equal to 4500 sorted in descending order of the minimum salary |  |  |
| 6 | Which jobs are found in the Marketing and Accounting departments? |  |  |
| 7 | List the department name, location, last name and salary of employees who work in location 1700 sorted in ascending order of department name. |  |  |
| 8 | Show the average salary for employees for one year (rounded to 2 decimal places). |  |  |
| 9 | Show the total monthly salaries figure (0 decimal places) for all employees in departments 80 and 60. |  |  |
| 10 | List the department number, department name and the number of employees for each department that has less than 4 employees grouping by department number and department name. |  |  |

### Feel free to expand the table as necessary to contain your results.