-- 1

SELECT LastName AS 'Last Name' FROM employees;

-- 2

SELECT DISTINCT LastName AS 'Last Name (no duplicates)' FROM employees;

-- 33

SELECT \* FROM employees WHERE

LastName = 'Smith';

-- 4

SELECT \* FROM employees WHERE

LastName IN ('Smith', 'Doe');

-- 5

SELECT \* FROM employees WHERE

department=14;

-- 6

SELECT \* FROM employees WHERE

department IN (37, 77);

-- 7

SELECT \* FROM employees WHERE

LastName Like 'S%';

DESCRIBE departments;

DESCRIBE employees;

SELECT \* FROM departments;

SELECT \* FROM employees;

-- 8

SELECT name AS 'Department', sum(budget) AS 'Total Budget'

FROM departments GROUP BY name;

-- 9

SELECT department AS 'Dept. Code', count(\*) AS 'Count' FROM

employees GROUP BY department;

-- 10

SELECT e.ssn, e.name, e.lastname, e.department, d.name, d.budget FROM employees e

INNER JOIN departments d ON

e.department = d.code;

-- 11

SELECT e.name, e.lastname, d.name, d.budget FROM employees e

INNER JOIN departments d ON

e.department = d.code;

-- 12

SELECT e.name, e.lastname, d.name, d.budget FROM employees e

INNER JOIN departments d ON

e.department = d.code WHERE d.budget > 60000;

-- 13

SELECT \* FROM departments WHERE

budget > (

SELECT avg(budget) FROM departments

);

-- 14

SELECT name as 'Dept. name' FROM

employees GROUP BY department HAVING count(\*) > 2;

-- 15

SELECT name, lastName FROM employees WHERE

department IN (

SELECT code FROM departments WHERE

budget =

(SELECT max(budget) FROM departments WHERE

budget NOT IN (

SELECT max(budget) FROM departments

)));

-- 16

INSERT INTO departments VALUES

(11, 'Quality Assurance', 40000);

-- 17

INSERT INTO employees VALUES

(847219811, 'Mary', 'Moore', 11);

-- 18

UPDATE departments

SET budget = budget \* 0.9;

-- 19

UPDATE employees

SET department = 14

WHERE department = 77;

-- 20

DELETE FROM employees

WHERE department = 14;

-- 21

DELETE FROM employees

WHERE department IN (

SELECT code FROM departments WHERE

budget >= 60000

);

-- 22

DELETE FROM employees;