### Exercise 1: (Use the EMPLOYEES OR DEPARTMENTS TABLES)

1. Get all the employees who made more than $9000 salary.

SELECT \* FROM employees WHERE salary > 9000.00

2. Get all the employees (Last\_Name, Department\_id, Job\_id who make more than .02

percent commission

SELECT last\_name, department\_id, job\_id, commission\_pct

FROM employees

WHERE commission\_pct > .02

3. Get all the employees who are not ST\_CLERKS.

SELECT \* FROM employees WHERE job\_id <> ‘ST\_CLERK’

Exercise 2

1. Give names of all programmers (IT\_PROG) making less than $15,000.

SELECT LAST\_NAME, FIRST\_NAME

FROM employees

WHERE job\_id = ‘IT\_PROG’ and salary < 15000.

2. For all employees in Department 50, give their last name, job function, and total

annual earnings (Salary and Commission). Commission is calculated by multiplying salary by commission\_pct.

SELECT last\_name, job\_id, salary + (salary \* commission\_pct)

FROM employees

WHERE department\_id = 50

3. Give the last name and department number of each employee not in Department

90.

SELECT last\_name, department\_id

FROM employees

WHERE department\_id <> 90

1. List all information about employee IDs up to and including 130.

SELECT \*

FROM employees

WHERE employee\_id <131

# Multiple Condition EXERCISES

1. Get the name of each employee who is either an AD\_VP or whose salary is greater than 15000.00

SELECT last\_name, job\_id, salary

FROM employees

WHERE job\_id = ‘AD\_VP’ OR salary > 15000.00

1. Display the ID, name, and total earnings (salary + (salary \* commission\_pct) of each SA\_REP who earned a salary between $12,000 and $15,000 salary in addition to at least $1500 commission (salary \* commission\_pct.

SELECT employee\_id, last\_name, salary + (salary \* commission\_pct), job\_id,salary

FROM employees

WHERE job\_id = ‘SA\_REP’ and salary between 12000.00 and 15000.00 and

salary \* commission\_pct >= 1500.00

1. Display all department numbers having at least one employee not in department 50 and making less than $15,000 salary.

SELECT department\_id, salary

FROM employees

WHERE department\_id <> 50 and salary < 15000.00

# THE LIKE CLAUSE EXERCISES

1. Display the department name and manager id (from departments table) of each department whose department name ends with the characters **es**.

SELECT department\_name, manager\_id,

FROM departments

WHERE department\_name like ‘%es’

1. Display all department names that contain the characters **ar** anywhere after the first character.

SELECT department\_name

FROM departments

WHERE department\_name like ‘\_%ar%’

1. Display all employee last names that begin with **S** and contain at least one **d**.

SELECT lst\_name

FROM employees

WHERE last\_name like ‘S%d%’

# BUILT-IN FUNCTIONS EXERCISES

1. What is the total number of departments?

**RESULTS**:

SELECT count(\*) FROM departments

(1 ROW SELECTED)

1. How many different location\_ids are there?

**RESULTS**:

SELECT count(distinct location\_id) FROM departments

(1 ROW SELECTED)

1. List the average salary for all managers. Hint: Use like to search for managers

**RESULTS**:

SELECT avg(salary) FROM employees

WHERE job\_id like ‘%MGR’ or ‘%MAN’

(1 ROWS SELECTED)

1. What is the maximum salary for employees with a null commission\_pct

**RESULTS**:

SELECT max(salary) FROM employees WHERE commission\_pct is null

(1 ROWS SELECTED)