**Part4**

1. **Write a query to display the last name, department number and department name for all employees.**

SELECT e.last\_name, e.department\_id, d.department\_name

FROM employees e INNER JOIN departments d

ON e.department\_id=d.department\_id

(

SELECT last\_name, department\_name, employees.department\_id

FROM employees, departments

WHERE employees.department\_id=departments.department\_id

)

(

SELECT last\_name, department\_name, employees.department\_id

FROM employees JOIN departments

ON employees.department\_id=departments.department\_id

)

(

SELECT last\_name, department\_name, department\_id

FROM employees INNER JOIN departments

USING (department\_id)

)

1. **Create a unique listing of all jobs that are in department 80. Include the location of department in the output.**

SELECT job\_id, location\_id

FROM employees INNER JOIN departments

USING (department\_id)

Where department\_id=30

1. **Write a query to display the employee last name, department name, location ID, and city of all employees who don’t earn a commission.**

SELECT last\_name, department\_name, location\_id

FROM employees INNER JOIN departments

USING (department\_id)

Where comission IS NULL

1. **Display the employee last name and department name for all employees who have an “a” (lowercase) in their last names.**

SELECT last\_name, department\_name, LOWER (last\_name)

FROM employees INNER JOIN departments

USING (department\_id)

Where INSTR(LOWER (last\_name),'a') <> 0