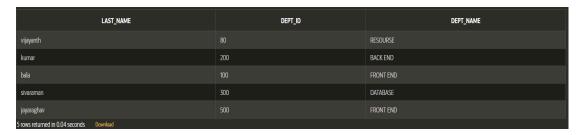
# **WORKING WITH MULTIPLE TABLES**

EXP:8 DATE:

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

# ANS:

select e.last\_name,e.dept\_id,em.dept\_name from dept2 e join departmenttable em on e.dept\_id=em.dept\_id;



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

## ANS:

select e.dept\_id,ee.location\_id from dept2 e join departmenttable ee on e.dept\_id=ee.dept\_id where e.dept\_id=80



3. Write a query to display the employee last name, department name, location ID, and city of all employees who earn a commission

## ANS:

select e.last\_name,ee.dept\_name,e.location\_id,eee.city from dept2 e inner join departmenttable ee on e.dept\_id=ee.dept\_id inner join location\_tab eee on e.location\_id=eee.location\_id



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

#### Ans:

select e.last\_name,ee.dept\_name from dept2 e inner join departmenttable ee on e.dept\_id=ee.dept\_id where last\_name like '%a%'



5. Write a query to display the last name, job, department number, and department name for all employees who work in Toronto.

## Ans:

select e.last\_name,e.job,ee.dept\_id from dept2 e inner join departmenttable ee on e.dept\_id=ee.dept\_id inner join location\_tab eee on e.location\_id=eee.location\_id where state\_province='TORONTO'



6. Display the employee last name and employee number along with their manager's last name and manager number.

#### Ans:

select e.last\_name as Employee,e.employee\_id as Emp#,ee.last\_name as Manager,ee.manager\_id as Mgr# from dept2 e left join departmenttable ee on e.manager\_id=ee.employee\_id

EMPLOYEE	EMP#	MANAGER	MGR#
jayaraghav	5000		
vijayanth	4000		
sivaraman	3000		
bala	1000		
kumar	2000		

7. Display all employees including King, who has no manager. Order by the employee number .

#### Ans:

select lastname from employees where manager\_id is null order by employee\_id;



8. Create a query that displays employee last names, department numbers, and all the employees who work in the same department as a given employee. Give each column an appropriate label.

# Ans:

SELECT e1.lastname AS Employee, e1.department\_id, e2.lastname AS Colleague FROM employees e1 JOIN employees e2 ON e1.department\_id = e2.department\_id WHERE e1.employee\_id != e2.employee\_id ORDER BY e1.department\_id;



9. Show the structure of the JOB\_GRADES table. Create a query that displays the name, job, department name, salary, and grade for all employees .

# Ans:

select e.lastname, e.job, d.jobc,e.salary,d.grade from employees e join department\_1 d on e.department\_id = d.departmentid



10. Create a query to display the name and hire date of any employee hired after employee Davies.

## Ans:

SELECT e.lastname, e.hiredate FROM employees e WHERE e.hiredate > (SELECT hiredate FROM employees WHERE lastname = 'davies');



11. Display the names and hire dates for all employees who were hired before their managers, along with their manager's names and hire dates. Label the columns Employee, Emp Hired, Manager, and Mgr Hired, respectively.

# Ans:

SELECT e.lastname AS Employee, e.hiredate AS "Emp Hired", m.lastname AS Manager, m.hiredate AS "Mgr Hired" FROM employees e JOIN employees m ON e.manager\_id = m.manager\_id WHERE e.hiredate < m.hiredate ORDER BY e.hiredate;

