

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 ;
```

LAST_NAME	DEPT_ID	DEPT_NAME
vijayanth	80	RESOURSE
kumar	200	BACK END
bala	100	FRONT END
svaraman	300	DATABASE
jayaraghav	500	FRONT END

5 rows returned in 0.04 seconds [Download](#)

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
```

DEPT_ID	LOCATION_ID
80	1888

1 rows returned in 0.03 seconds [Download](#)

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
```

LAST_NAME	DEPT_NAME	LOCATION_ID	CITY
jayaraghav	FRONT END	1885	CHENNAI

rows returned in 0.03 seconds [Download](#)

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%'
```

LAST_NAME	DEPT_NAME
vijayanth	RESOURCE
kumar	BACK END
bala	FRONT END
sivaraman	DATABASE
jayaraghav	FRONT END

5 rows returned in 0.01 seconds [Download](#)

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'
```

LAST_NAME	JOB	DEPT_ID
jayaraghav	tester	500

1 rows returned in 0.01 seconds [Download](#)

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;
```

Results	Explain	Describe	Saved SQL	History
LASTNAME				
prajin				
king				

2 rows returned in 0.00 seconds [Download](#)

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;
```

EMPLOYEE	DEPARTMENT_ID	COLLEAGUE
Warren	50	sp
sp	50	Warren
aaksh	80	Matos
Matos	80	aaksh

4 rows returned in 0.00 seconds [Download](#)

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
```

LASTNAME	JOB	JOB_C	SALARY	GRADE
balaji	designer	FULLSTACK	5500	B+
Matos	-	BACKEND	54000	A
aaksh	-	BACKEND	6000	A

3 rows returned in 0.01 seconds [Download](#)

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');
```

