Database Name: **HR**

1. Using the CASE function, write a query that displays the grade of all employees based on the value of the column JOB\_ID, as per the following data:

Job Grade

ACCOUNTING A

RESEARCH B

SALES C

OPERATIONS D

None of the above 0

select department\_name, case when department\_name='Operations' then 'D'

when department\_name='Accounting' then 'A'

when department\_name='Sales' then 'C'

when department\_name='Research' then 'B' else 'O'

end as grade

from hr.departments

1. Display the names of all employees with their job title, their current salary and their salary following a 10% pay rise for clerks and a 7% pay rise for all other employees.

select concat(e.first\_name,e.last\_name) as name,

j.job\_title,case when j.job\_title like '%Clerk' then

e.salary \*110/100 else e.salary \*107/100 end as current\_salary

from hr.employees e left join hr.jobs j on

e.job\_id =j.job\_id

1. Display the names of all employees with their salary and commission earned. Employees with a null commission should have 0 in the commission column.

select concat(first\_name,last\_name)as name,

salary,

case when commission\_pct is null then 0

else commission\_pct

end as commission

from hr.employees

1. Display the names of ALL employees with the total they have earned (ie. salary plus commission).

select concat(first\_name,last\_name )as name,

case when commission\_pct is null

then salary+0

else salary+commission\_pct end as total\_salary

from hr.employees

1. Repeat the display for the last question but this time display in descending order of earnings.

select concat(first\_name,last\_name )as name,

case when commission\_pct is null

then salary+0

else salary+commission\_pct end as total\_salary

from hr.employees

order by total\_salary desc

1. Display the Manager name who earns the top three salaries along with their salaries and department.

select top 3 concat(e.first\_name,e.last\_name ) as name,

(e.salary) as salary,d.department\_name

from hr.employees e left join hr.jobs j

on e.job\_id=j.job\_id

left join hr.departments d on

d.department\_id= e.department\_id

where j.job\_title like '%Manager%'

order by salary desc;

1. Display the names of all employees whose job title is the same as anyone in the sales dept.

select concat\_ws(' ',e.first\_name,e.last\_name )

as name

from hr.employees e left join hr.jobs j

on e.job\_id=j.job\_id

left join hr.departments d on

d.department\_id= e.department\_id

where d.department\_id=80

;

1. Display the names of all employees who work in a department that employs an analyst.

select concat\_ws(' ',e.first\_name,e.last\_name )

as name

from hr.employees e left join hr.jobs j

on e.job\_id=j.job\_id

left join hr.departments d on

d.department\_id= e.department\_id

where j.job\_title='analyst';

1. Create a view called EMPLOYEES\_VU based on the employee numbers, employee names, and department numbers from the EMPLOYEES table. Change the heading for the employee name to EMPLOYEE. Display the same.

CREATE VIEW EMPLOYEES\_VU AS

SELECT EMPLOYEE\_ID, LAST\_NAME,

DEPARTMENT\_ID FROM HR.EMPLOYEES

1. Create a view named DEPT3 that contains the employee numbers, employee last names, and department numbers for all employees in department 3. Label the view columns EMPNO, EMPLOYEE, and DEPTNO. Do not allow an employee to be reassigned to another department through the view.

CREATE VIEW DEPT3 AS

SELECT EMPLOYEE\_ID AS EMPNO,LAST\_NAME AS EMPLOYEE

,DEPARTMENT\_ID AS DEPTNO FROM HR.EMPLOYEES