Function

1. Display employee id, employee name, birthdate, city for all the employees. Display employee name as combination of TitleOFCourtesy and Firstname

=>

select employeeid, (titleofcourtesy || firstname) as "employee name", birthdate, city from employees

1. Display all employee details along with phone number. Phone number should be displayed without Country code.( Country code is mentioned in bracket (71) )

=>

select employeeid, firstname, lastname, trim(substr(homephone,6)) as "phone number" from employees

1. Display customer’s id , company name, address, city and region. Any column should not display null values in the report. Display some proper alternative value in place of null.

=>

select nvl(customerid,-1), nvl(companyname,'empty'), nvl(city,'empty'), nvl(region,'empty') from customers

1. Display Joining date along with probation period end date for each employee. Assume probation period is for 3 months)

=>

select firstname,lastname,hiredate, add\_months(hiredate,3) as "probation period" from employees

1. Find the tenure of each employee in the company.

=>

select employeeid, trunc(months\_between(sysdate,hiredate),0) as "tenure" from employees

1. Display employeeid, full name of an employee in upper case, job title in Lower case for all the employees.

=>

select employeeid, upper(firstname || ' ' || lastname) as "full name", lower(title) from employees

1. Find the Earliest and Latest Dates of Hire.

=>

select min(hiredate), max(hiredate) from employees

1. Retrieve the number of employees in each city.

=>

select count(employeeid), city from employees group by(city)

1. Find the number of sales representatives in each city that contains at least 2 sales representatives. Order by the number of employees.

=>

select count(city), city from employees

where title = ('Sales Representative') group by city having count(city)>=2 order by count(city);

1. Write a query to display Employee name, birth date, hire date, city and country of every Employee hired in 2011. Display birth date of every employee in the format ‘2nd August 2016’.

=>

SELECT firstname || ' ' || lastname AS "employee name", TO\_CHAR(BIRTHDATE,'ddth Mon YYYY'), hiredate, city, country FROM employees WHERE TO\_CHAR(hiredate,'YYYY') = '2011';

1. Create a report that shows the total number of orders by Customer since December 31, 1996. The report should only return rows for which the NumOrders is greater than 15.

=>

select customerid, count(orderid)from orders where orderdate>'31-12-96'

group by customerid having count(orderid)>15

1. Create a report that shows the total quantity of products (from the Order\_Details table) ordered. Only show records for products for which the quantity ordered is fewer than 200.

=>

select p.productid, sum(o.quantity)as quantity

from order\_details o join products p

on p.productid=o.productid

group by o.productid, p.productid

having sum(o.quantity)<200;