**1. The HR department needs a list of Department IDs for departments that do not conbtain the job ID of ST\_CLERK> Use a set operator to create this report.**

SELECT department\_id

FROM departments

MINUS

SELECT department\_id

FROM employees

WHERE job\_id = 'ST\_CLERK';

DEPARTMENT\_ID

-------------

10

20

60

80

90

110

190

**2 Same department requests a list of countries that have no departments located in them. Display country ID and the country name. Use SET operators.**

SELECT country\_id, country\_name

FROM countries

MINUS

SELECT country\_id, country\_name

FROM countries

JOIN locations USING(country\_id)

JOIN departments USING(location\_id)

WHERE department\_id IS NOT NULL

ORDER BY country\_name;

COUNTRY\_ID COUNTRY\_NAME

---------- ----------------------------------------

AR Argentina

AU Australia

BE Belgium

BR Brazil

CN China

DK Denmark

EG Egypt

FR France

DE Germany

HK HongKong

IN India

IL Israel

IT Italy

JP Japan

KW Kuwait

MX Mexico

NL Netherlands

NG Nigeria

SG Singapore

CH Switzerland

ZM Zambia

ZW Zimbabwe

**3 This is tricky. The Vice President needs very quickly a list of departments 10, 50, 20 in that order, job and department ID are to be displayed**

SELECT DISTINCT job\_id, department\_id

FROM employees

WHERE department\_id = 10

UNION ALL

SELECT DISTINCT job\_id, department\_id

FROM employees

WHERE department\_id = 50

UNION ALL

SELECT DISTINCT job\_id, department\_id

FROM employees

WHERE department\_id = 20;

JOB\_ID DEPARTMENT\_ID

---------- ----------------------

AD\_ASST 10

ST\_MAN 50

ST\_CLERK 50

MK\_MAN 20

MK\_REP 20

**4 Create a report that lists the employee IDs and job IDs of tose employees who currently have a job title that is the same as their job title when they were initially hired by the company. That means they changed jobs but have now gone back o it. You need to use JOB\_HISTORY table as well.**

**The result will be ... 176 and 200**

SELECT employee\_id, job\_id

FROM employees

INTERSECT

SELECT employee\_id, job\_id

FROM job\_history

order by employee\_id;

EMPLOYEE\_ID JOB\_ID

----------- ----------

176 SA\_REP

200 AD\_ASST

**5. THE HUMAN RESOURCES DEPARTMENT NEEDS A REPORT WITH TE FOLLOWING SPECIFICATIONS:**

**Last Name and department ID of all the employees in the employee table even if they don't belong to a department yet**

**Department ID and department Name of all the departments in the table departments, even if there are no employees**

**USE a SET operator**

SELECT last\_name, department\_id, TO\_CHAR(null) "Department Name"

FROM employees

UNION

SELECT TO\_CHAR(null), department\_id, department\_name

FROM departments

ORDER BY department\_id;

LAST\_NAME DEPARTMENT\_ID Department Name

------------------------- ------------- ------------------------------

Whalen 10

10 Administration

Fay 20

Hartstein 20

20 Marketing

Davies 50

Matos 50

Mourgos 50

Rajs 50

Vargas 50

50 Shipping

Ernst 60

Hunold 60

Lorentz 60

60 IT

Abel 80

Taylor 80

Zlotkey 80

80 Sales

De Haan 90

King 90

Kochhar 90

Lee 90

90 Executive

Gietz 110

Higgins 110

110 Accounting

190 Contracting

Grant