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Oracle: Intro to SQL

HW5

**Practice 1-1**

8.

a) GRANT select

ON regions

TO <team2\_oraxx> WITH GRANT OPTION;

b) SELECT \*  
 FROM <team1\_oraxx>.regions;

c) GRANT select  
 ON <team1\_oraxx>.regions

TO <team3\_oraxx>;

d) REVOKE select

ON regions

FROM <team2\_oraxx>;

**Practice 2-1**

18.

a) CREATE TABLE library\_items\_ext ( category\_id number(12),

book\_id number(6),

book\_price number(8,2),

quantity number(8)

)

ORGANIZATIONAL EXTERNAL

(TYPE ORACLE\_LOADER

DEFAULT DIRECTORY emp\_dir

ACCESS PARAMETERS (RECORDS DELIMITED BY NEWLINE

FIELDS TERMINATED BY ‘,’)

LOCATION (‘library\_items.dat’)

)

REJECT LIMIT UNLIMITED;

SELECT \*

FROM library\_items\_ext;

**Practice 3-1**

4. SELECT ucc.column.name, uc.constraint\_name, uc.constraint\_type, uc.search\_condition, uc.status  
FROM user\_constraints uc JOIN user\_cons\_columns ucc  
ON uc.table\_name = ucc.table\_name  
AND uc.constraint\_name = ucc.constraint\_name  
AND uc.table\_name = UPPER(‘&tab\_name’);

**Practice 4-1**

7.

a) INSERT ALL  
 WHEN SAL > 20000 THEN  
 INTO special\_sal VALUES (EMPID, SAL)

ELSE

INTO sal\_history VALUES (EMPID, HIREDATE, SAL)

INTO mgr\_history VALUES (EMPID, MGR, SAL)

SELECT employee\_id EMPID, hire\_date HIREDATE,

Salary SAL, manager\_id MGR

FROM employees

WHERE employee\_id < 125;

b) SELECT \* FROM special\_sal;

c) SELECT \* FROM sal\_history;

d) SELECT \* FROM mgr\_history;

**Practice 5-1**

8. SELECT e.last\_name, hire\_date, sysdate,

(CASE

WHEN (sysdate-TO\_YMINTERVAL(’15-0’))>= hire\_date

THEN ’15 years of service’

WHEN (sysdate – TO\_YMINTERVAL(’10-0’))>= hire\_date

THEN ’10 years of service’

WHEN (sysdate – TO\_YMINTERVAL(‘5-0’))>= hire\_date

THEN ‘5 years of service’

ELSE ‘maybe next year!’

END) AS “Awards”

FROM employees e;

**Practice 6-1**

11. WITH

summary AS (

SELECT d.department\_name, SUM(e.salary) AS dept\_total

FROM employees e, departments d

WHERE e.department\_id = d.department\_id

GROUP BY d.department\_name)

SELECT department\_name, dept\_total

FROM summary

WHERE dept\_total > ( SELECT SUM(dept\_total) \* 1/8

FROM summary)

ORDER BY dept\_total DESC;

**Practice 7-1**

4. CREATE TABLE contacts

(

l\_name VARCHAR2(30),

p\_number VARCHAR2(30)

CONSTRAINT p\_number\_format

CHECK (REGEXP\_LIKE (p\_number, ‘^\(d{3}\) \d{3} –

\d{4}$’)));