Implicit Data-Type Conversion

From	To
VARCHAR2 or CHAR	NUMBER
VARCHAR2 or CHAR	DATE
NUMBER	VARCHAR2
DATE	VARCHAR2

Using the TO_CHAR Function with Dates

1.SELECT employee_id, TO_CHAR(hire_date, 'MM/YY')Month_Hired FROM employee7

WHERE last_name = 'Gagan';

Elements of the Date Format Model

YYYY	Full year in numbers
YEAR	Year spelled out
MM	Two-digit value for month
MONTH	Full name of the month
MON	Three-letter abbreviation of the month
DY	Three-letter abbreviation of the day of the week
DAY	Full name of the day of the week
DD	Numeric day of the month

Using the TO_CHAR Function with Dates

2.SELECT last_name, TO_CHAR(hire_date, 'fmDD Month YYYY') HIREDATE 2FROM employee7;

Using the TO_CHAR Function with Numbers

3.SELECT TO_CHAR(salary, '$99,999.00') SALARY FROM employee7 WHERE last_name = 'Ernst';

Using the TO_NUMBER and TO_DATE Functions

4. SELECT last_name, hire_date FROM employee7 WHERE hire_date = TO_DATE('May 24, 1999', 'fxMonth DD, YYYY')

Date Format

5.SELECT last_name, TO_CHAR(hire_date, 'DD-Mon-YYYY') FROM employee7 WHERE hire_date < TO_DATE('01-Jan-90', 'DD-Mon-RR');

Nesting Functions

6. SELECT last_name, NVL(TO_CHAR(manager_id), 'No Manager') FROM employees

WHERE manager_id IS NULL;

7. SELECT TO_CHAR(NEXT_DAY(ADD_MONTHS

  (hire_date, 6), 'FRIDAY'), 'fmDay, Month DDth, YYYY') "Next 6 Month Review"

   FROM employee7 ORDER BY hire_date;

Using the NVL Function

7.SELECT last_name, salary, NVL(commission_pct, 0), (salary*12) + (salary*12*NVL(commission_pct, 0))   AN_SAL FROM employees7

Using the NVL2 Function

8.SELECT last_name, salary, commission_pct,NVL2(commission_pct,

SAL+COMM', 'SAL') income FROM employee7 WHERE department_id IN (50, 80);

Using the NULLIF Function

9.SELECT first_name, LENGTH(first_name) "expr1", last_name, LENGTH(last_name) "expr2",NULLIF(LENGTH(first_name), LENGTH(last_name)) resultFROM employee7

Using the CASE Expression

Facilitates conditional inquiries by doing the work of an IF-THEN-ELSE statement:

10.SELECT last_name, job_id, salary,

CASE job_id WHEN 'IT_PROG' THEN 1.10*salary

                WHEN 'ST_CLERK' THEN 1.15*salary

                 WHEN 'SA_REP' THEN 1.20*salary

                 ELSE salary END "REVISED_SALARY" from employee7;