ORACLE DATABASE

1. In Oracle, we write full outer join not just outer join.
2. Use of decode function:

It acts like as case in java.

Pseudocode for decode:

**DECODE**(expr, search, result

[, search, result ]...

[, default ]

)

Source: <https://docs.oracle.com/cd/B19306_01/server.102/b14200/functions040.htm>

1. Using bind variable in procedure.

If we declare any variable as bind variable then that variable needs to be passed explicitly to the from the opened window.

declare

v\_score number;

begin

v\_score:= :score;

dbms\_output.put\_line('The score is: '|| v\_score);

end;

When we run this program, it will open a new window, asking to enter :score value. After entering the value, click on submit button and you will get the entered output.

Note: While running this procedure in sql developer it just print “PL/SQL procedure successfully completed.” And not the output line. So, I ran it using Get started of SQL express edition in browser.

Note2: This bind variable is not oracle thing. It is used for increasing the performance.

Front end tool does the binding. After the binding is complete, then query is sent to oracle database.

Bind variables does not need any data type because SQL engine knows that the variable it is assigned to expect value of that type.

Bind variable allows for the values to be passed to it easily and seamlessly within the code issuing it.

It is useful in procedure if we need to run the same query again and again changing the variable.

Query is compiled once and then values are substituted dynamically while calling it.

Ex;

create or replace function myfn(p\_hiredate in date) return number is  
  v\_empno number;  
  v\_sql   varchar2(32767);  
begin  
  v\_sql := 'select empno from emp where hiredate = :1';  
  execute immediate v\_sql into v\_empno using p\_hiredate;  
  return v\_empno;  
end;

create or replace procedure myproc(deptno in number) is  
  cnt       number;  
  sqltext   varchar2(32767);  
begin  
  sqltext := 'select /\* WITHBINDING \*/ count(\*) from emp where deptno = :1';  
  execute immediate sqltext into cnt using deptno;  
end;

Refer to following article:

https://community.oracle.com/docs/DOC-915518

1. Refer