
Title

P06. Refer table column's data types to declare variables

Description

Refer table column's data types to declare variables.

Use the %TYPE attribute to declare a variable with the same data type as a table column.

Use it when you want to declare a variable that will hold the same type of data as a column in a table.

Benefits: 1. Avoid errors caused by data type mismatch or wrong precision 2. Avoid hard-coding data type and precision 3. Avoid modifying the variable declaration when the column data type changes

```
1 declare
2     v_emp_id employees.employee_id%type;
3     v_emp_name employees.last_name%type;
4     v_hire_date employees.hire_date%type;
5 begin
6     select employee_id, last_name, hire_date
7     into v_emp_id, v_emp_name, v_hire_date
8     from employees
9     where employee_id = 100;
10    dbms_output.put_line('Employee ID: ' || v_emp_id || ', Name: ' ||
11                          v_emp_name || ', Hire Date: ' || v_hire_date);
11 end;
12 /
```