**Task 1: PL/SQL**

You’ve been given unnamed PL/SQL code below. Copy and paste the code in SQL Commands, enter employee number 7369.

DECLARE

lv\_empid emp.empno%type;

lv\_firstname emp.ename%type;

lv\_deptname dept.dname%type;

BEGIN

SELECT e.empno, e.ename, d.dname

INTO lv\_empid, lv\_firstname, lv\_deptname

FROM emp e, dept d

WHERE e.empno = :g\_empid

AND e.deptno = d.deptno;

dbms\_output.put\_line ('The employee: ' || lv\_firstname || ' is the department: ' || lv\_deptname || ' ');

EXCEPTION

WHEN no\_data\_found THEN

dbms\_output.put\_line('The employee: ' || :g\_empid || ' is not in this Company.');

END;

So, above is piece of code that now we’ll try to understand different components and what they do.

|  |  |
| --- | --- |
| PL/SQL Code | What is it? |
| Lv\_empid | e.g. this is **user defined** variable |
| Emp.empno%type |  |
| SELECT … INTO |  |
| SELECT e.empno, e.ename, d.dname  ~~INTO lv\_empid, lv\_firstname,~~ ~~lv\_deptname~~  FROM emp1 e, dept d  WHERE e.empno = 7369 ~~:g\_empid~~  AND e.deptno = d.deptno; |  |
| :g\_empid |  |
| dbms\_output.put\_line |  |
| dbms\_output.put\_line  || lv\_firstname || |  |
| dbms\_output.put\_line  ' is the department: ' |  |
| EXCEPTION |  |
| no\_data\_found |  |
| *apex\_application.g\_print\_success\_message := 'The employee: ' || :g\_empid || ' is not in this Company.';* | This is for application builder – its useful! |

**Task 2: PL/SQL**

Type in and Run the following code in the SQL Command tool:

DROP TABLE emp CASCADE CONSTRAINTS;

CREATE TABLE emp AS SELECT \* FROM scott.emp;

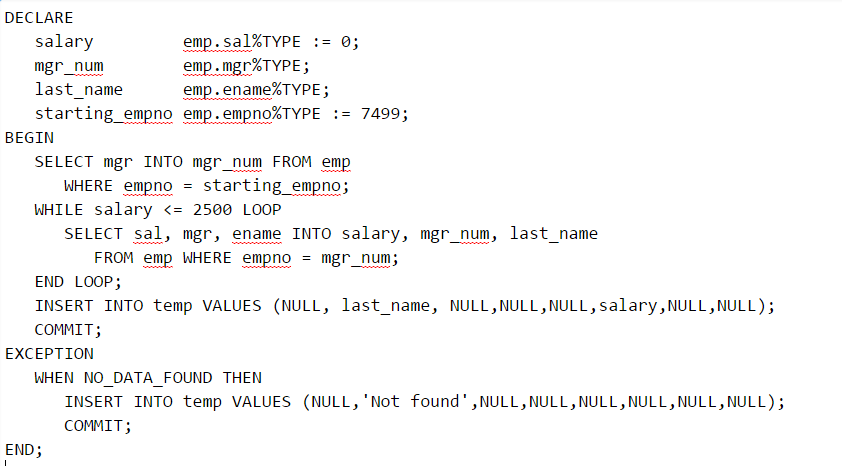
DROP TABLE temp CASCADE CONSTRAINTS;

CREATE TABLE temp AS SELECT \* FROM scott.emp;

DELETE FROM temp;

In the following example, you find the first employee who has a salary over 2500 and is higher in the chain of command than employee 7499:

1. Type in and Run the following code in SQL Command:



1. Now test this code. Write a statement to select all data from a temp table. The output should be:

