



PL/SQL Assignment

PL/SQL - Functions

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EXERCISE

Create a store function that accepts 2 numbers and returns the addition of passed values. Also write the code to call your function.

SOLUTION:

```
SQL> get e:/p14.sql;
```

```
1  create or replace function addition(a number,b number)
2  return number
3  is
4  begin
5  dbms_output.put('the sum of '||a||' and '||b||' is :');
6  return (a+b);
7* end;

8  .
```

```
SQL> /
```

Function created.

```
SQL> begin
```

```
2  dbms_output.put_line(addition(6,78));
3  end;
4  .
```

```
SQL> /
```

the sum of 6 and 78 is: 84

PL/SQL procedure successfully completed.

EXERCISE

Write a PL/SQL function that accepts department number and returns the total salary of the department. Also write a function to call the function.

SOLUTION:

```
SQL> select * from works;
```

EMP_NO	COMPANY_NAME	JOINING_D	DESIGNATION	SALARY	DEPTNO
1	abc	23-NOV-00	project lead	40000	1
2	abc	25-DEC-10	software engg	20000	2
3	abc	15-JAN-11	software engg	1900	1
4	abc	19-JAN-11	software engg	19000	2
5	abc	06-FEB-11	software engg	18000	1

```
SQL> get e:/plsql/p15.sql;
```

```
1 create or replace function tot_sal_of_dept(dno number)
2 return number
3 is
4 tot_sal number:=0;
5 begin
6 select sum(salary) into tot_sal from works where deptno=dno;
7 return tot_sal;
8* end;
```

```
SQL> .
```

```
SQL> /
```

Function created.

```
SQL> begin
```

```
2 dbms_output.put_line('Total salary of DeptNo 1 is :')
  || tot_sal_of_dept(1));
3 end;
4 .
```

```
SQL> set serveroutput on;
```

```
SQL> /
```

```
Total salary of DeptNo 1 is :77000
```

```
PL/SQL procedure successfully completed.
```

```
SQL> begin
```

```
2  dbms_output.put_line('total salary of dept 2  
is :'||tot_sal_of_dept(2));
```

```
3  end;
```

```
4  .
```

```
SQL> /
```

```
Total salary of DeptNo 2 is :39000
```

```
PL/SQL procedure successfully completed.
```