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## PL/SQL Procedure

The PL/SQL stored procedure or simply a procedure is a PL/SQL block which performs one or more specific tasks. It is just like procedures in other programming languages.

The procedure contains a header and a body.

- **Header:** The header contains the name of the procedure and the parameters or variables passed to the procedure.
- **Body:** The body contains a declaration section, execution section and exception section similar to a general PL/SQL block.

### How to pass parameters in procedure:

When you want to create a procedure or function, you have to define parameters. There are three ways to pass parameters in procedure:

1. **IN parameters:** The IN parameter can be referenced by the procedure or function. The value of the parameter cannot be overwritten by the procedure or the function.
2. **OUT parameters:** The OUT parameter cannot be referenced by the procedure or function, but the value of the parameter can be overwritten by the procedure or function.
3. **INOUT parameters:** The INOUT parameter can be referenced by the procedure or function and the value of the parameter can be overwritten by the procedure or function.

### PL/SQL Create Procedure

**Syntax for creating procedure:**

1. CREATE [OR REPLACE] PROCEDURE procedure\_name
2. [ (parameter [,parameter]) ]
3. IS
4. [declaration\_section]
5. BEGIN
6. executable\_section
7. [EXCEPTION
8. exception\_section]
9. END [procedure\_name];

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## Create procedure example

In this example, we are going to insert record in user table. So you need to create user table first.

### Table creation:

1. create table user(id number(10) primary key,name varchar2(100));

Now write the procedure code to insert record in user table.

### Procedure Code:

1. create or replace procedure "INSERTUSER"
2. (id IN NUMBER,
3. name IN VARCHAR2)
4. is
5. begin
6. insert into user values(id,name);
7. end;
8. /

Output:

Procedure created.

## PL/SQL program to call procedure

Let's see the code to call above created procedure.

1. BEGIN
2. insertuser(101,'Rahul');
3. dbms\_output.put\_line('record inserted successfully');
4. END;
5. /

Now, see the "USER" table, you will see one record is inserted.

ID	Name
101	Rahul

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## **PL/SQL Drop Procedure**

### **Syntax for drop procedure**

1. DROP PROCEDURE procedure\_name;

### **Example of drop procedure**

1. DROP PROCEDURE pro1;