

# PL/SQL - GOTO STATEMENT

[http://www.tutorialspoint.com/plsql/plsql\\_goto\\_statement.htm](http://www.tutorialspoint.com/plsql/plsql_goto_statement.htm)

Copyright © tutorialspoint.com

A **GOTO** statement in PL/SQL programming language provides an unconditional jump from the GOTO to a labeled statement in the same subprogram.

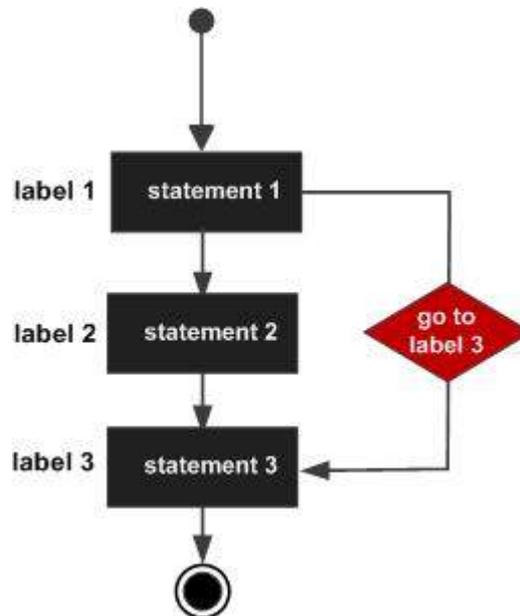
**NOTE:** Use of GOTO statement is highly discouraged in any programming language because it makes difficult to trace the control flow of a program, making the program hard to understand and hard to modify. Any program that uses a GOTO can be rewritten so that it doesn't need the GOTO.

## Syntax:

The syntax for a GOTO statement in PL/SQL is as follows:

```
GOTO label;  
..  
..  
<< label >>  
statement;
```

## Flow Diagram:



## Example:

```
DECLARE  
  a number(2) := 10;  
BEGIN  
  <<loopstart>>  
  -- while loop execution  
  WHILE a < 20 LOOP  
    dbms_output.put_line ('value of a: ' || a);  
    a := a + 1;  
    IF a = 15 THEN  
      a := a + 1;  
      GOTO loopstart;  
    END IF;  
  END LOOP;  
END;  
/
```

When the above code is executed at SQL prompt, it produces the following result:

```
value of a: 10
```

```
value of a: 11
value of a: 12
value of a: 13
value of a: 14
value of a: 16
value of a: 17
value of a: 18
value of a: 19
```

PL/SQL procedure successfully completed.

## Restrictions with GOTO Statement

GOTO Statement in PL/SQL imposes the following restrictions:

- A GOTO statement cannot branch into an IF statement, CASE statement, LOOP statement or sub-block.
- A GOTO statement cannot branch from one IF statement clause to another or from one CASE statement WHEN clause to another.
- A GOTO statement cannot branch from an outer block into a sub-block *that is, an inner BEGIN – END block.*
- A GOTO statement cannot branch out of a subprogram. To end a subprogram early, either use the RETURN statement or have GOTO branch to a place right before the end of the subprogram.
- A GOTO statement cannot branch from an exception handler back into the current BEGIN-END block. However, a GOTO statement can branch from an exception handler into an enclosing block.

Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js