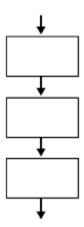


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TCS INTERNAL

Sequential control structures

> The sequence control structure simply executes a sequence of statements in the order in which they occur.



GOTO Statement

- ➤ A GOTO statement provides an unconditional jump from the GOTO to a labelled statement in the same sub program.
- GOTO provides the ability to jump through a program from one place to another.
- > It is better to have a limited usage of GOTO in program code.
- When a jump is proposed using GOTO, it is associated with an appropriate label.
- The GOTO statement branches to a label unconditionally.
- > The label must be unique within its scope and must precede an executable statement.
- When executed, the GOTO statement transfers the control to the labelled statements or block.
- The labelled statement or block can be down or up in the sequence of statements.
- The labels are enclosed between angular brackets << and >>

Syntax:

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

Example: 1

Output:

```
value = 2
value = 3
value = 4
value = 5
OK

PL/SQL procedure successfully completed
```

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.
- From one IF statement clause to another or from one CASE statement WHEN clause to another.
- From an outer block into a sub-block (that is, an inner BEGIN-END block).
- Directly out of a sub program.
- From an exception handler back into the current BEGIN-END block.

NULL statement:

- PL/SQL uses NULL statement when there is nothing to execute.
- The NULL statement does nothing, and passes control to the next statement.

Syntax:

```
NULL;
```

Example: 2

Output :	
If input for num value is given as 7, then nothing will be printed	

PL/SQL procedure successfully completed