

# PL/SQL - NESTED IF-THEN-ELSE STATEMENTS

[http://www.tutorialspoint.com/plsql/plsql\\_nested\\_if.htm](http://www.tutorialspoint.com/plsql/plsql_nested_if.htm)

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It is always legal in PL/SQL programming to nest **IF-ELSE** statements, which means you can use one **IF** or **ELSE IF** statement inside another **IF** or **ELSE IF** statement(s).

## Syntax:

```
IF( boolean_expression 1) THEN
  -- executes when the boolean expression 1 is true
  IF(boolean_expression 2) THEN
    -- executes when the boolean expression 2 is true
    sequence-of-statements;
  END IF;
ELSE
  -- executes when the boolean expression 1 is not true
  else-statements;
END IF;
```

## Example:

```
DECLARE
  a number(3) := 100;
  b number(3) := 200;
BEGIN
  -- check the boolean condition
  IF( a = 100 ) THEN
    -- if condition is true then check the following
    IF( b = 200 ) THEN
      -- if condition is true then print the following
      dbms_output.put_line('Value of a is 100 and b is 200' );
    END IF;
  END IF;
  dbms_output.put_line('Exact value of a is : ' || a );
  dbms_output.put_line('Exact value of b is : ' || b );
END;
/
```

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

```
Value of a is 100 and b is 200
Exact value of a is : 100
Exact value of b is : 200

PL/SQL procedure successfully completed.
```