

MATLAB - THE NESTED SWITCH STATEMENTS

http://www.tutorialspoint.com/matlab/nested_switch_statements_matlab.htm

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It is possible to have a switch as part of the statement sequence of an outer switch. Even if the case constants of the inner and outer switch contain common values, no conflicts will arise.

Syntax

The syntax for a nested switch statement is as follows –

```
switch(ch1)
case 'A'
    fprintf('This A is part of outer switch');
    switch(ch2)
        case 'A'
            fprintf('This A is part of inner switch' );

        case 'B'
            fprintf('This B is part of inner switch' );
    end
case 'B'
    fprintf('This B is part of outer switch' );
end
```

Example

Create a script file and type the following code in it –

```
a = 100;
b = 200;
switch(a)
case 100
    fprintf('This is part of outer switch %d\n', a );

    switch(b)
        case 200
            fprintf('This is part of inner switch %d\n', a );
    end
end
fprintf('Exact value of a is : %d\n', a );
fprintf('Exact value of b is : %d\n', b );
```

When you run the file, it displays –

```
This is part of outer switch 100
This is part of inner switch 100
Exact value of a is : 100
Exact value of b is : 200
```