MATLAB - THE NESTED IF STATEMENTS

It is always legal in MATLAB to nest if-else statements which means you can use one if or elseif statement inside another if or elseif statements.

Syntax

The syntax for a nested if statement is as follows −

```
if <expression 1>
% Executes when the boolean expression 1 is true
   if <expression 2>
      % Executes when the boolean expression 2 is true
   end
end
```

You can nest elseif...else in the similar way as you have nested if statement.

Example

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

```
a = 100;
b = 200;
   % check the boolean condition
   if( a == 100 )

      % if condition is true then check the following
      if( b == 200 )

         % if condition is true then print the following
         fprintf('Value of a is 100 and b is 200\n' );
      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 −

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

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