

PYTHON NESTED IF STATEMENTS

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There may be a situation when you want to check for another condition after a condition resolves to true. In such a situation, you can use the nested **if** construct.

In a nested **if** construct, you can have an **if...elif...else** construct inside another **if...elif...else** construct.

Syntax:

The syntax of the nested *if...elif...else* construct may be:

```
if expression1:
    statement(s)
    if expression2:
        statement(s)
    elif expression3:
        statement(s)
    else
        statement(s)
elif expression4:
    statement(s)
else:
    statement(s)
```

Example:

```
#!/usr/bin/python

var = 100
if var < 200:
    print "Expression value is less than 200"
    if var == 150:
        print "Which is 150"
    elif var == 100:
        print "Which is 100"
    elif var == 50:
        print "Which is 50"
elif var < 50:
    print "Expression value is less than 50"
else:
    print "Could not find true expression"

print "Good bye!"
```

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

```
Expression value is less than 200
Which is 100
Good bye!
```