



We are using nested if-else

True Statement!

```
if condition1:  
    print('statement 1') | ✓  
    if condition2:  
        print('stetement 2')  
        if condition 3:  
            print('statement3')  
        else:  
            print('statement else3')  
    else:  
        print('statementelse2')  
  
else:  
    print('statementelse1')
```

False

*else runs whenever
the corresponding
if fails*

statementelse2

```
: ## We are using nested if-else  
  
if condition1:  
    print('statement 1')  
    if condition2:  
        print('stetement 2')  
        if condition 3:  
            print('statement3')  
        else:  
            print('statement else3')  
    else:  
        print('statementelse2')  
  
else:  
    print('statementelse1')
```

Q1 condition1 = False

Output \Rightarrow statementelse1

Q2. Condition1 = True

Condition2 = False

Statement

Statementelse2

```
## We are using nested if-else ✓  
if condition1:  
    print('statement 1')|  
    if condition2:  
        print('stetement 2')  
        if condition 3:  
            print('statement3')  
    else:  
        print('statement else3')  
else:  
    print('statementelse2')  
else:  
    print('statementelse1')
```

Q1. Condition1 = False ✓
Condition2 = True
Condition3 = True X

Any statementelse1
Does Not Matter

```
## We are using nested if-else

if condition1:
    print('statement 1')
    if condition2:
        print('stetement 2')
        if condition 3:
            print('statement3')
    else:
        print('statement else3')
else:
    print('statementelse2')

else:
    print('statementelse1')
```

Condition1 = True
condition2 = True
condition3 = False

Statement1
Statement2
Statementelse3



```
## We are using nested if-else

if condition1:
    print('statement 1') ✓
    if condition2: FALSE
        print('stetement 2')
        if condition 3:
            print('statement3')
    elif condition4:
        print('statement4')
    elif condition5:
        print('statement5')
    else:
        print('statement else3')
    elif condition6:
        print('statement6')
    else:
        print('statementelse2')
else:
    print('statementelse1')
```

Condition1 = True

Condition2 = False

Condition3 = True ✓

* Statement1
Statement6 *

★ NOTE

else only runs
when ~~and~~ the
preceding if, elif's
is FALSE in the
same indentation
are FALSE

elif runs
when the
earlier elif

OR if

NESTED FOR LOOP

```
: element_list = [(1,2,3),(4,5,6,7),(8,9),(10,101),(11,12,13,14)]  
for each_tuple in element_list:  
    for each_item in each_tuple:  
        print(each_item)✓
```

1 ✓
2 ✓
3 ✓
4 ✓
5 ✓
6 ✓
7 ✓
8 /
9 /
10 /
101 ✓
11 ✓
12 ✓
13 ✓
14 ✓

each_tuple = (1,2,3) ✓

each_item = 1 ✓
 2 ✓
 3 ✓

each_tuple = (4,5,6,7) ✓

each_item = 4
 5
 6
 7

```

: persons = [
    {'Name': 'Mohit', 'Gender': 'M', 'Profession': 'teacher'},
    {'Name': 'Kunal', 'Gender': 'M', 'Profession': 'engineer'},
    {'Name': 'Rashmi', 'Gender': 'F', 'Profession': 'doctor'},
    {'Name': 'MalalaYusuf', 'Gender': 'F', 'Profession': 'doctor'}
]

for person in persons:
    if person['Profession'] == 'doctor':
        if person['Name'][0] == 'M':
            print('doctor M')
        else:
            print('doctor')
    elif person['Profession'] == 'engineer':
        if person['Gender'] == 'M':
            print('engineer bhaiyya')
        else:
            print('engineer didi')
    elif person['Profession'] == 'actor':
        if person['Name'][-1] == 'h':
            print('actor')
        else:
            print('liar')
    else:
        print('Wow what do you actually do??')

```

Wow what do you actually do?? ✓
 engineer bhaiyya
 doctor ✓
 doctor M ✓

