

# Nested if/else

marks

if (cond<sup>n</sup> is true) {

    \_\_\_\_\_

    3 else {

    \_\_\_\_\_

}

if marks > 33

    pass

else

    fail

2 options

\* pass ✓

\* fail ✓

3 option

a, b, c

we are given ages  
of a, b & c

a → 30

b → 20

c → 10

You need to tell  
who is oldest  
i.e., has greatest age  
among a, b, c

You have 3 options here.

Either Ans can be a or b or c.

marks > 33	: Pass	→ op1
marks == 33	: Border	→ op2
marks < 33	: fail	→ op3

3 options  
example

```
if (marks > 33) {
    cout << "Pass";
}
```

```
else if (marks == 33) {
    cout << "Border";
}
```

```
}
```

```
else {
```

```
    cout << "fail";
```

```
}
```

~~Akshay Kumar~~  
~~Selomon Bhai~~  
~~Ankur Khan~~

else

if age > 40

====

else/else if/both

age <= 40

→ + age > 20

====

```

if age > 40
    =====
else if age <= 40
    =====
    
```

→ In this case

we can either use else or else if for <= 40 cond?

if age > 40

====

else if age <= 40

====

① else

② else if

③ Either ✓

```
if age > 40 {
```

```
    _____
```

```
} else if (age <= 40) {
```

```
    _____
```

```
}
```

tell me at red circle, do we use

- ① else if only
- ② else only
- ③ either else or else if

```
if (age > 40) {
```

```
    _____
```

```
} else if (age <= 40) {
```

```
    _____
```

```
}
```

You can either use  
else or else if  
at red circle  
beoz this is  
the only  
condition remains.

If we have multiple cond<sup>n</sup>s  
remained, then we have to use else if  
only until we are left with only 1  
cond<sup>n</sup>.

\* Agar hamare pass multiple cond<sup>n</sup>s

bachhi hai, to ham else use nahii kar sakte

\* Agar hamare pass sirf 1 cond<sup>n</sup>

bachhi hai, to hm else ya else if

kech bhi use kar sakte hai.

\* if you're left with ~~and~~ multiple cond<sup>n</sup>s, then you can only use else if

\* if you're left with only 1 cond<sup>n</sup>, then you can use either of else/else if.