

LOGICAL STATEMENTS AND OPERATORS

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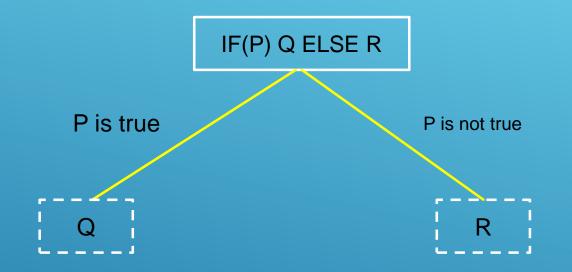
LOGICAL STATEMENTS (1)

```
A. If statement, if(P) Q;
When P condition is true then execute Q
ex: if(3>2) printf("3 is bigger than 2");
if(3<2) printf("3 is smaller than 2");
```

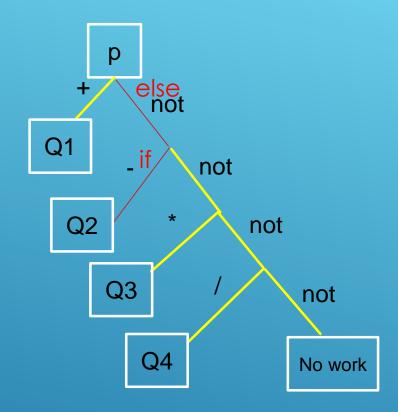
- A. If statement, if(!P) Q;When P condition is not true then execute Q
- A. P has logical operator to check. Ex: 3>2, 2 >3, 2==3
- B. Q is an execution statement

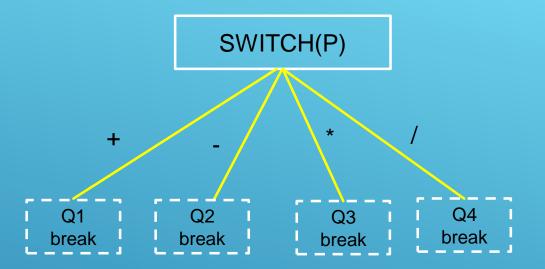
LOGICAL STATEMENTS (2)

- A. else statement, if(P) Q else R;When P condition is not true then execute Q
- A. else statement, if(!P) else Q;When P condition is true then execute Q
- A. P has logical operator to check. Ex: 3>2, 2 >3, 2==3
- B. Q is an execution statement



```
if(p=='+') Q1;
else if(p=='-') Q2;
else if(p=='*') Q3;
else if(p=='/') Q4;
else printf("No work");
```





```
Switch(p){
Case '+': Q1; break;
Case '-': Q2; break;
Case '*': Q3; break;
Case '/': Q4; break;
Default: printf("No work");
}
```

AND operator(&&)	P1(T)	P1(F)
P2(T)	ΤĪ	TF
P2(F)	FT	FF

Condition P with P1 and P2

If(p1&&p2) Q1; Q1 will be executed only with one red conditions

or operator()	P1(T)	P1(F)
P2(T)	TT	TF
P2(F)	FT	FF

If(p1 | | p2) Q1; Q1 will be executed with three red conditions

C Programming Operators

https://www.programiz.com/c-programming/c-operators