

# DECISION MAKING & BRANCHING

Control / decision making statements:

if statement

switch statement

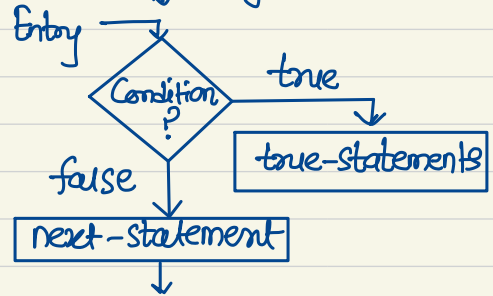
Conditional operator statement

if statement :

Pseudo Code

```
if (Condition)
{
    true-statements;
}
next-statements;
```

Control flow diagram

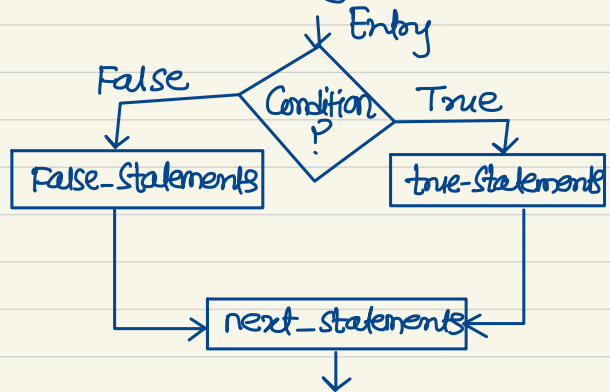


if - else statement :

Pseudo Code

```
if (Condition)
{
    true-statements;
}
else
{
    false-statements;
}
next-statements;
```

Control flow diagram



else-if Statements:

Nesting if-else Statements:

Switch Statement:

```
Switch (expression) {  
    Case Value-1:  
        1 - Statements;  
        break;  
    Case Value-2:  
        2 - Statements;  
        break;  
    ;  
    default:  
        default - Statements;  
        break;  
}
```

\*> If we don't use 'break' statement then after the 'case' hits, every 'case' will execute.

\*> 'default' is an optional and can be present at any place.

\*> Case value should be constant.

\*> Sequence of case values is not necessary.

? : operator: