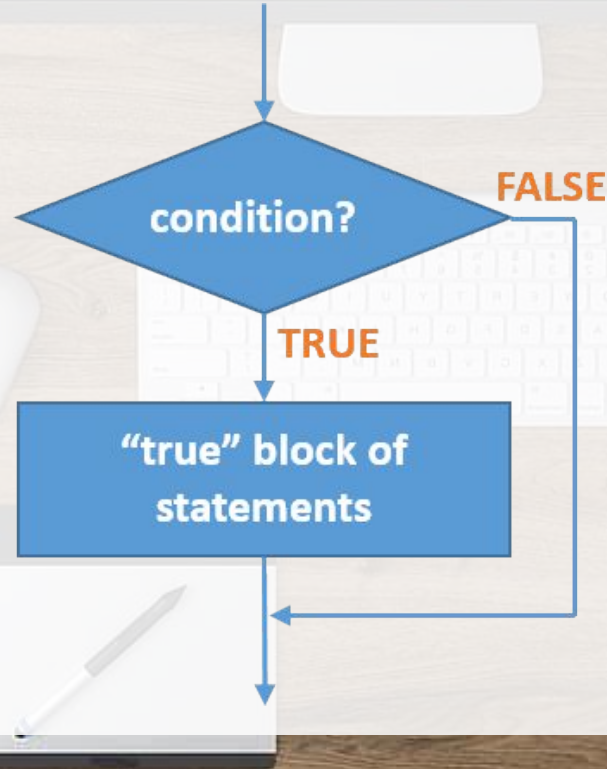


If-Else Decision Statements

- **if** statement is used to make a decision based on a condition.
- Condition can be an expression (examples: `if(x + y)` or `if(num1>5)`) or a direct value (example: `if(5)`)
- If the expression produces zero, or direct value is zero, the condition becomes FALSE. For all other values, the condition is TRUE

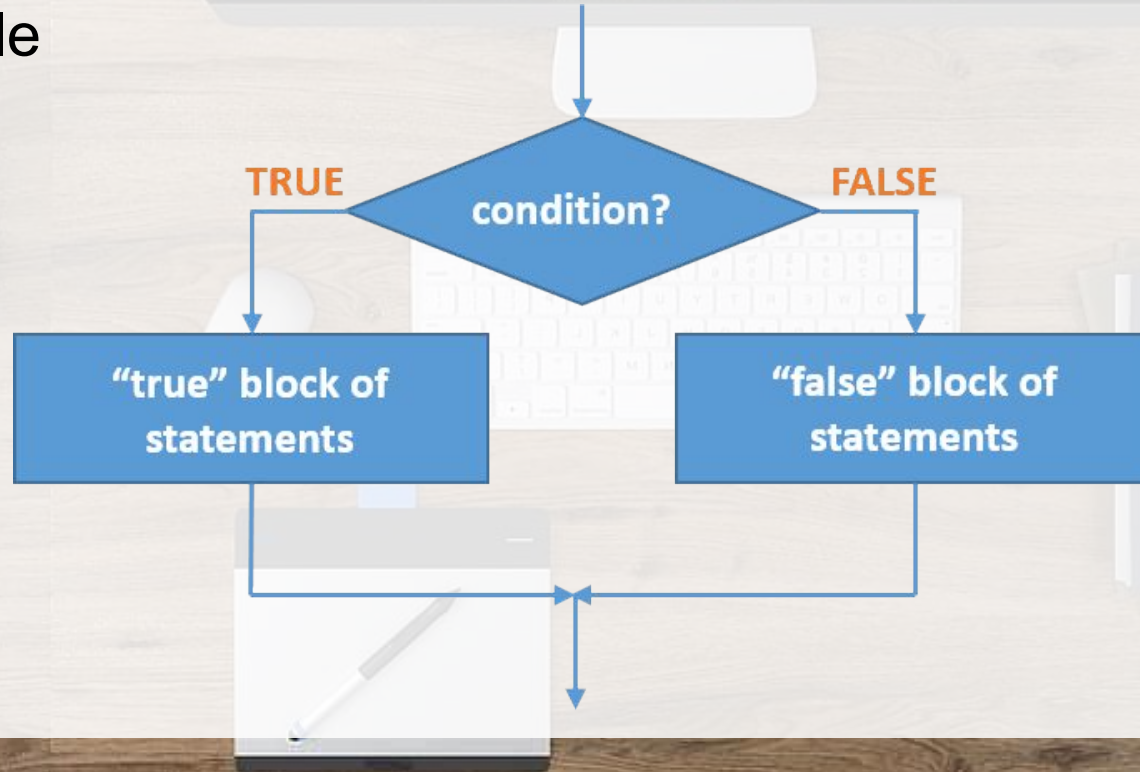
If Statement Flowchart

Example



If-Else Statement Flowchart

Example



If-Else Statements Syntax

- If Statement:

```
if (condition) {  
    // body statements...  
}
```
- If-Else Statement:

```
if (condition) {  
    // body statements...  
}  
else {  
    // body statements...  
}
```


Else-If Statements Syntax

- Else If Statement:

```
if (condition) {  
    // body statements..  
}  
else if (condition) {  
    // body statements..  
}  
else {  
    // body statements..  
}
```