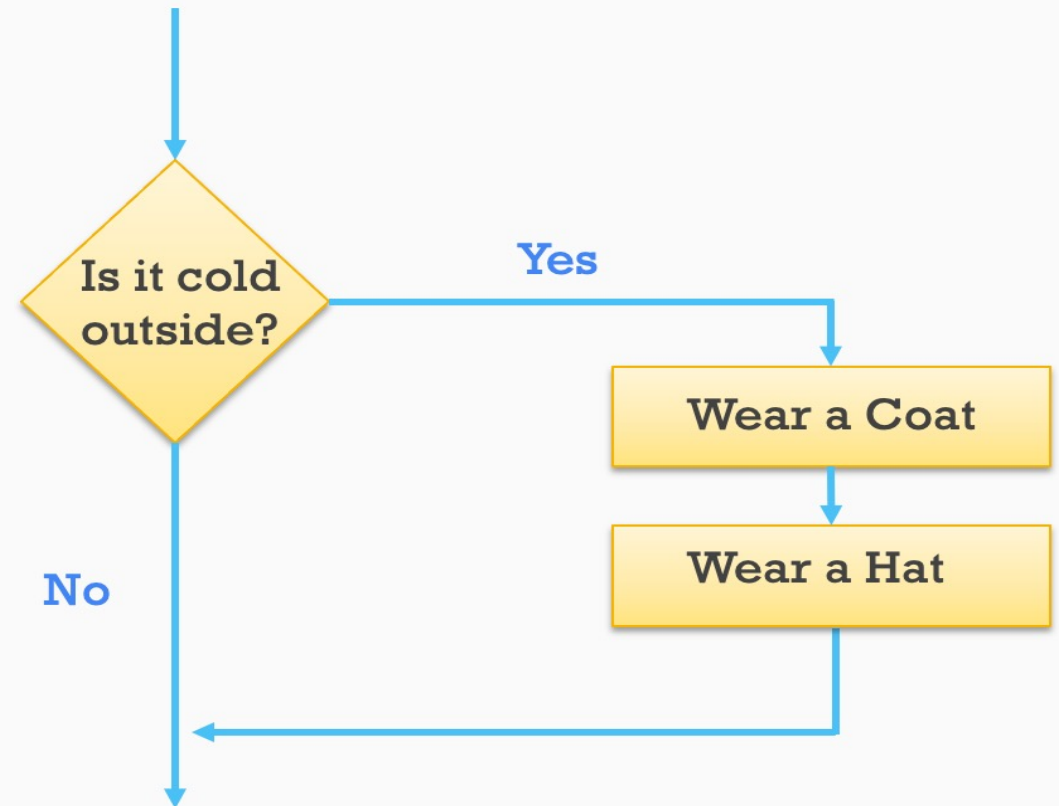




If Statements

Single If

- The if statement evaluates a condition.
- If the condition evaluates to **true**, any statements in the subsequent code block are executed

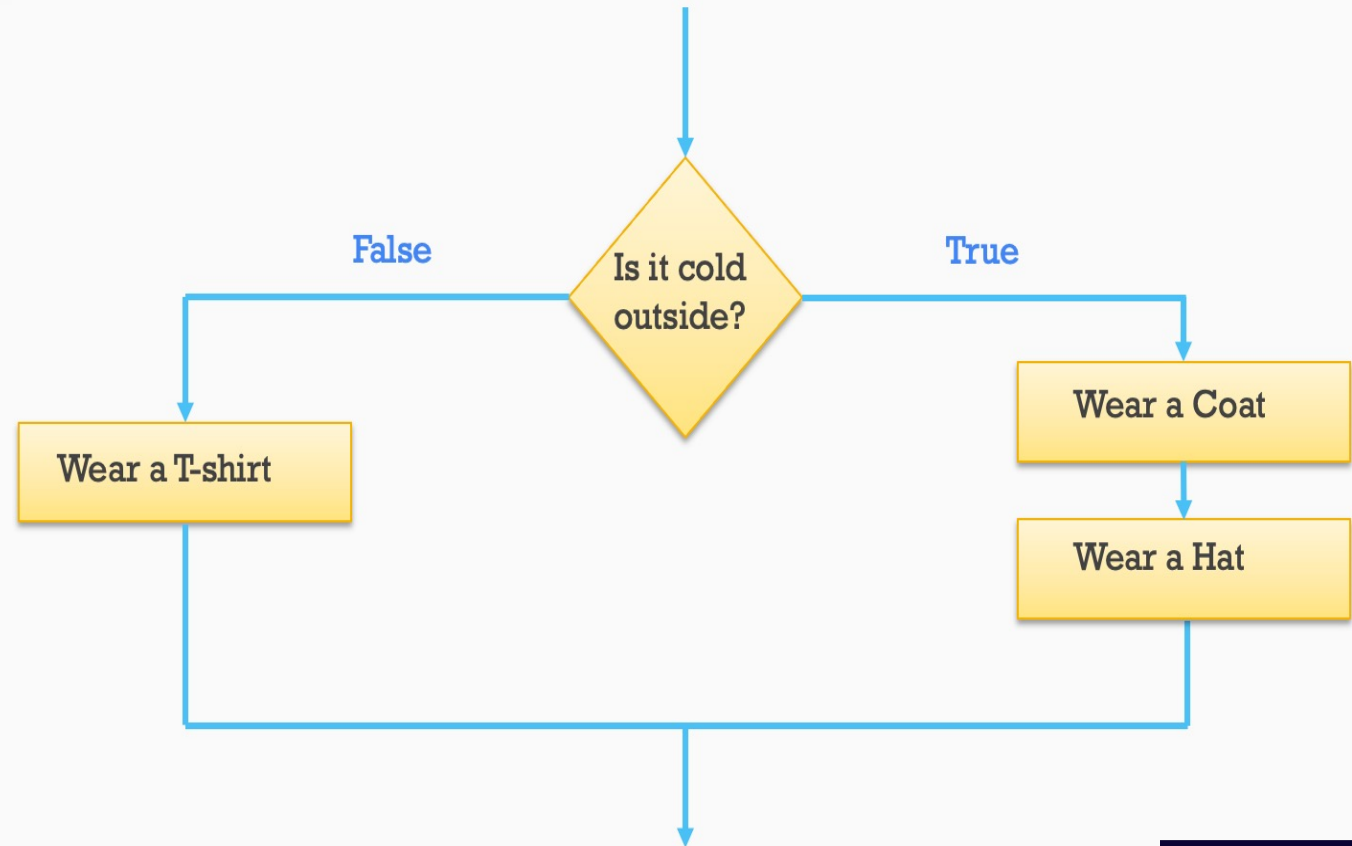


Syntax

```
if(Condition) {  
    Statements  
}
```

If...Else Statement

- The if...else statement checks a condition.
- If it resolves to **true** the first code block is executed
- If the condition resolves to **false**, the second code block is run instead

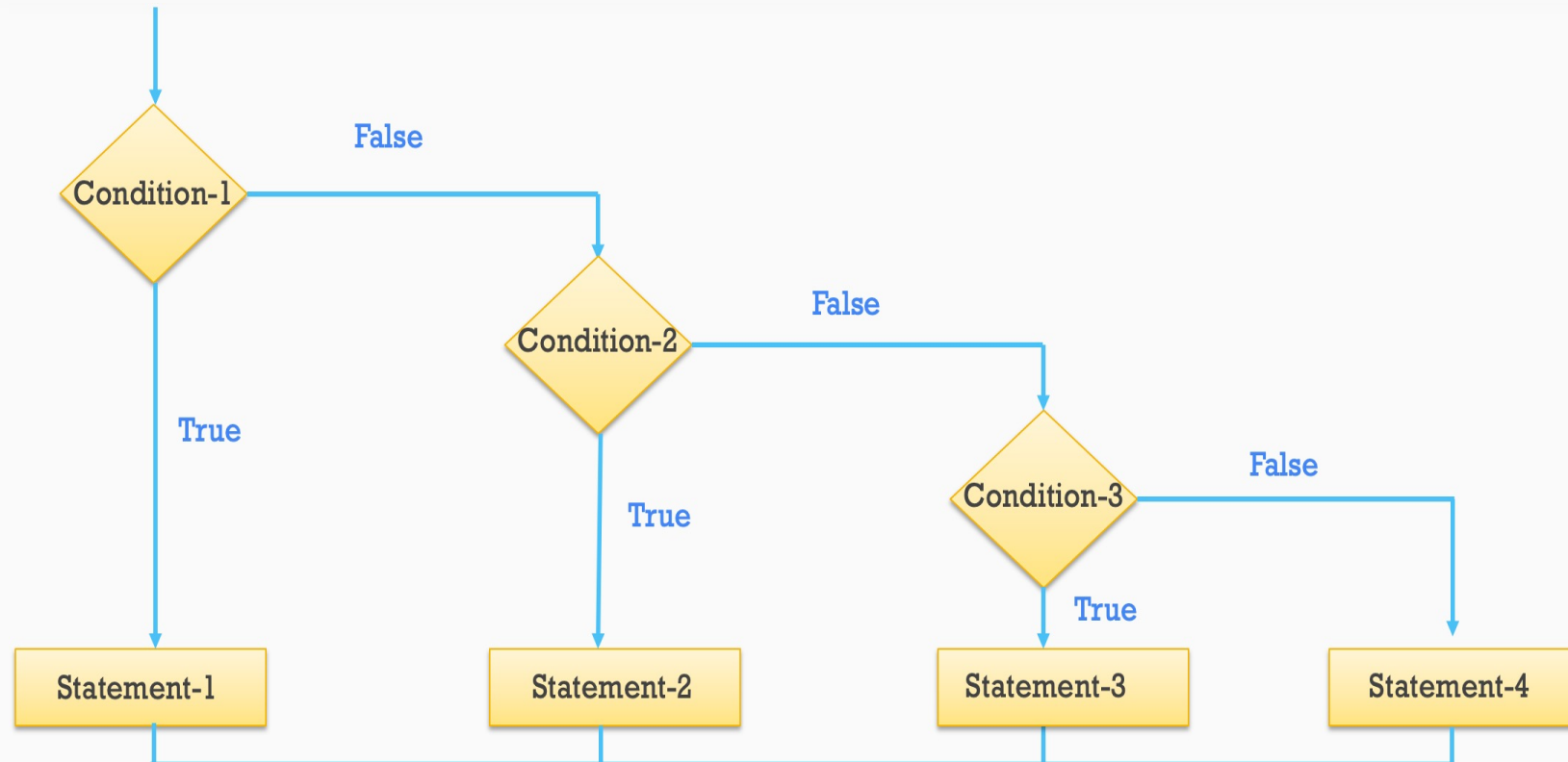


Syntax

```
if(Condition){  
    Statements  
}  
else{  
    Statements  
}
```

Multi-branch If Statement

- Multi-branch if statement can be nested to create an **else if** clause.
- It is used to make decision among several alternatives.



Syntax

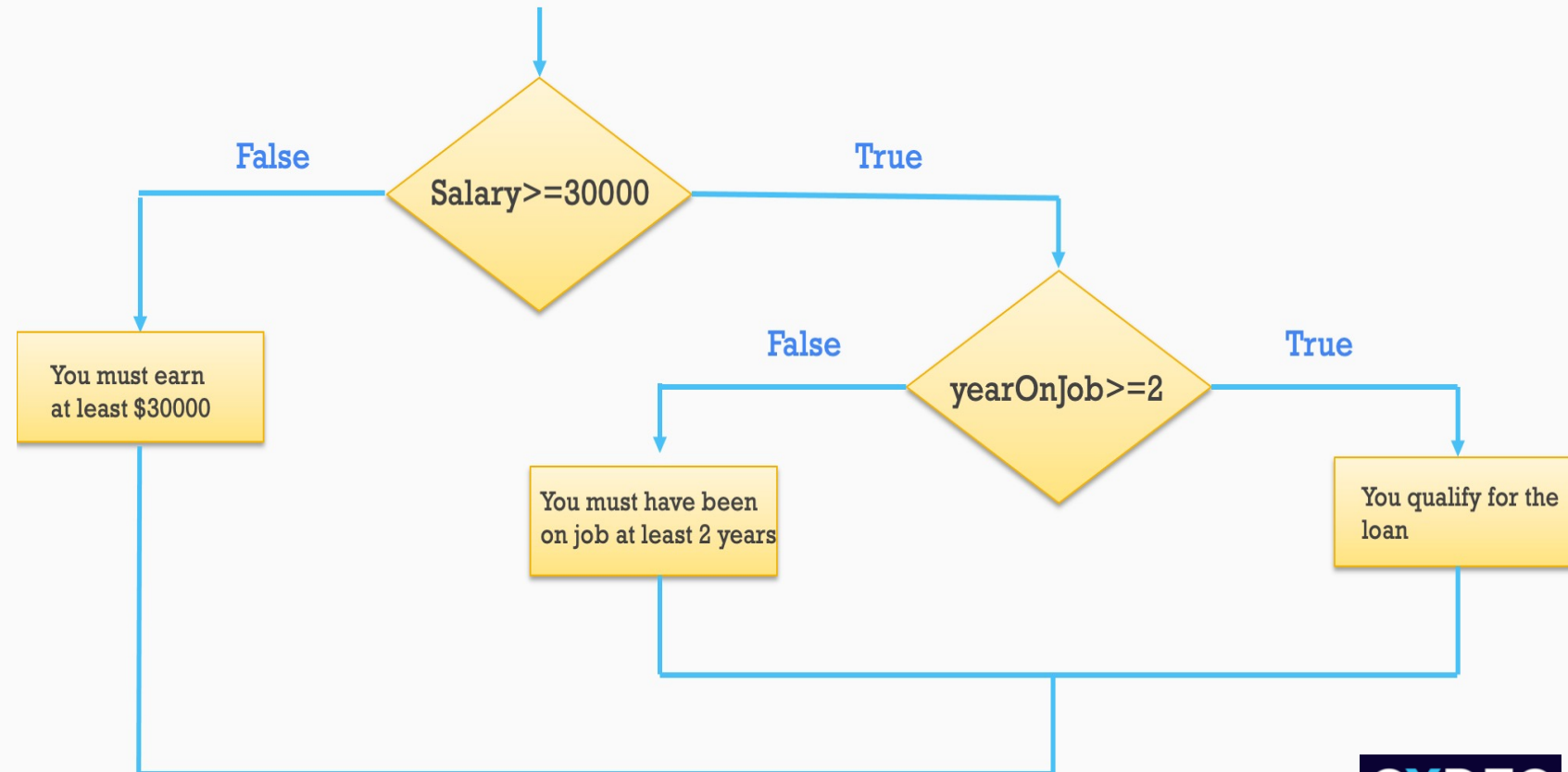
```
if(Condition1){  
    Statements  
}else if(Condition2){  
    Statements  
}else{  
    Statements  
}
```



Multiple **else if** blocks can be given if needed

Nested If Statement

- Nested if statements can be used for creating a **pre-condition**
- It's used if one condition can be evaluated to several alternatives



Syntax

```
if(Condition){  
    if(Condition){  
        Statements  
    }  
}
```



Outer and Inner If statements can be any type of if statement (Single if, If...else and Multi-branch If)