

Decision-making statements, also known as conditional statements, determine program direction and flow by specifying boolean expressions evaluated to true or false, enabling or disabling code execution.

- **if statement** – if and else ‘if and else’ statements check whether a condition is true or false. If the condition is true, it executes some particular set of codes and if the condition is false, it executes some other set of codes.

if statement Syntax

```
if (condition)
{
    Statement or block of code to be executed
    if condition is True
}
```



- **if.. else statement** – if and else ‘if and else’ statements check whether a condition is true or false. If the condition is true, it executes some particular set of codes and if the condition is false, it executes some other set of codes.

if.. else statement Syntax

```
if (condition)
{
    statement or block of code to be executed
    if condition is True
}
else
{
    statement or block of code to be executed
    if condition is False
}
```



- **if.. else if.. statement** – Chain 'if and else' statements with extra 'else if' for additional conditions.

if.. else if... statement Syntax

```
if (condition1) {  
    // code  
} else if (condition2) {  
    // code  
} else if (condition3) {  
    // code  
} else {  
    // code  
}
```

YouTube Link:



<https://www.youtube.com/embed/YLL1TNrLur8>

Solidity Source File

{CODE}

