

## Condition is True

number = 10

if number > 0:  
# code

# code after if

## Condition is False

number = -5

if number > 0:  
# code

# code after if

## Condition is True

```
number = 10
```

```
if number > 0:  
    # code
```



```
else:  
    # code
```

```
# code after if
```

## Condition is False

```
number = -5
```

```
if number > 0:  
    # code
```



```
else:  
    # code
```

```
# code after if
```

### 1st Condition is True

```
let number = 5
if number > 0 :
    # code
elif number < 0 :
    # code
else :
    # code
# code after if
```

A flowchart illustrating the execution of an if-elif-else statement when the first condition is true. A teal arrow starts at the 'if number > 0 :' line, points right, then down, then right again to the '# code' line. Another teal arrow starts at the 'elif' line, points right, then down, then right again to the '# code after if' line. A third teal arrow starts at the 'else' line, points right, then down, then right again to the '# code after if' line.

### 2nd Condition is True

```
let number = -5
if number > 0 :
    # code
elif number < 0 :
    # code
else :
    # code
# code after if
```

A flowchart illustrating the execution of an if-elif-else statement when the second condition is true. A teal arrow starts at the 'if number > 0 :' line, points right, then down, then right again to the '# code' line. Another teal arrow starts at the 'elif number < 0 :' line, points right, then down, then right again to the '# code' line. A third teal arrow starts at the 'else' line, points right, then down, then right again to the '# code after if' line.

### All Conditions are False

```
let number = 0
if number > 0 :
    # code
elif number < 0 :
    # code
else :
    # code
# code after if
```

A flowchart illustrating the execution of an if-elif-else statement when all conditions are false. A teal arrow starts at the 'if number > 0 :' line, points right, then down, then right again to the '# code' line. Another teal arrow starts at the 'elif number < 0 :' line, points right, then down, then right again to the '# code' line. A third teal arrow starts at the 'else' line, points right, then down, then right again to the '# code' line. A fourth teal arrow starts at the end of the 'else' block, points right, then down, then right again to the '# code after if' line.

