

Selections

```
if(condition) {  
    //  
}
```

One-Way

```
if (x < 0) {  
    x = x * -1;  
}
```

```
int x = 1; // -2 billion - 2 billion
```

Two way

if (condition) {

 //paired

else {

}

if (cond) {

}

if (!(cond)) {

}

```
if (Hair Color == Black) {  
    // go to back door  
}  
else if (Hair Length == Long) {  
    // stand up  
}  
else {
```

③ multiple way

```
int x = #;  
// A B C 3 digits long  
// if  $A > B > C$  print descending  
// if  $A < B < C$  print Ascending  
// if neither ascending nor descending print Neither
```

$$\begin{array}{l}
 X = H \\
 L \rightarrow R \\
 A = X / 100; \\
 B = (X - A * 100) / 10; \\
 B = ((X) / 10) \% 10; \\
 C = X \% 10;
 \end{array}
 \quad
 \begin{array}{l}
 R \rightarrow L \\
 C = X \% 10; \\
 B = (X / 10) \% 10; \\
 A = (X / 100);
 \end{array}$$

$A > B > C$

true : false

true > C

A > true

A > B && B > C

false > C
A > false