

```
if (5 > 10) {
  console.log('5 is greater than 10');
} else {
  console.log('5 is less than or equal to 10')
}

//5 is less than or equal to 10

if (NaN === NaN) {
  console.log('NaN is equal to NaN');
} else {
  console.log('NaN is not equal to NaN');
}

//NaN is not equal to NaN

if (!null) {
  console.log('null is truthy');
} else {
  console.log('null is falsy');
}

//null is truthy

if (0 === '') {
  console.log('0 is equal to empty string');
} else {
  console.log('0 is not equal to empty string');
}

//0 is not equal to empty string

if (true && false) {
  console.log('true and false is true');
} else {
  console.log('true and false is false');
}

//true and false is false

if (false || true) {
  console.log('false or true is true');
} else {
  console.log('false or true is false');
}

//false or true is true
```

```
if (!false && true) {
    console.log('not false and true is true');
} else {
    console.log('not false and true is false');
}

//not false and true is true

if (5 === '5') {
    console.log('5 is equal to string 5');
} else {
    console.log('5 is not equal to string 5');
}

//5 is not equal to string 5

if (undefined == null) {
    console.log('undefined is equal to null');
} else {
    console.log('undefined is not equal to null');
}

//undefined is equal to null

if (typeof [] === 'object') {
    console.log('Array is an object');
} else {
    console.log('Array is not an object');
}

//Array is an object

for (var i = 0; i < 5; i++) {
    console.log(i);
}

//0
//1
//2
//3
//4

for (var i = 0; i < 5; i += 2) {
    console.log(i);
}

//0
```

```
//2
//4

for (var i = 5; i >= 0; i--) {
    console.log(i);
}

//5
//4
//3
//2
//1
//0

for (var i = 0; i < 5; i += 3) {
    console.log(i);
}

//0
//3

for (var i = 0; i > 5; i++){
    console.log(i);
}

//it is false 0

for (var i = 0; i < 5; i += 3) {
    console.log(i);
}
//0
//3

for (var i = 5; i >= 0; i--) {
    console.log(i);
}

//it is false

for (var i = 0; i < 10; i += 4) {
    console.log(i);
}

//0
//4
//8

for (var i = 0; i < 5; i++) {
```

```

    if (i === 3) break;
    console.log(i);
}

//0
//1
//2

for (var i = 0; i < 5; i++) {
    if (i === 2) continue;
    console.log(i);
}

//0
//1
//3
//4

for (var i = 0; i < 5; i++) {
    if (i === 1) return;
    console.log(i);
}

//0

for(i=0;i<=10;i++){
    if(i%2==0){
        console.log(i)
    }
}

//0
//2
//4
//6
//8
//10

for (i = 0, j = 0, k = 0; i <= 10 || j <= 5; i++, j++, k++) {
    console.log(i, j, k);
}

//000
//111
//222
//333
//444
//555

```

```
//666  
//777  
//888  
//999  
//101010
```