JS

Javascript

Fundametals

var

function

if

for

Variables

```
var name = thing;
```

Variables

```
var name = ‘Sam Tripp’;
```

Variables

```
var name = ‘Sam Tripp’;
var age = 29;
var designer = true;
```

Variables

```
var name = ‘Sam Tripp’; (String)
var age = 29; (Integer)
var designer = true; (Boolean)

age = 40;
age = false;
```

Variables

```
var age = 29;

if ( age > 18 ) { do something }
```

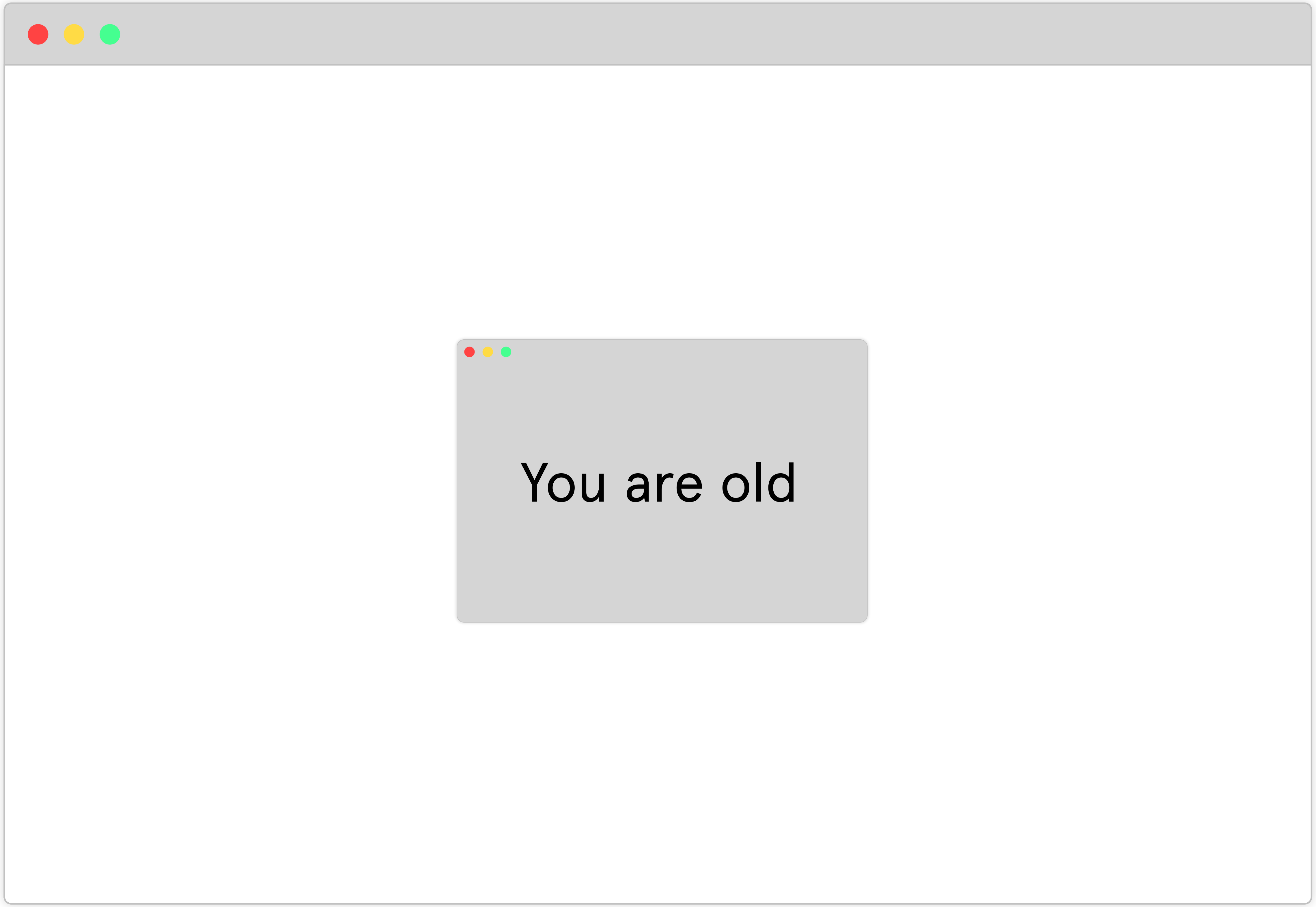
If statements

```
if ( something == something ) { }
```

If statements

```
var age = 29;

if ( age > 28 ) {
    alert( “You are old” );
}
```

Result

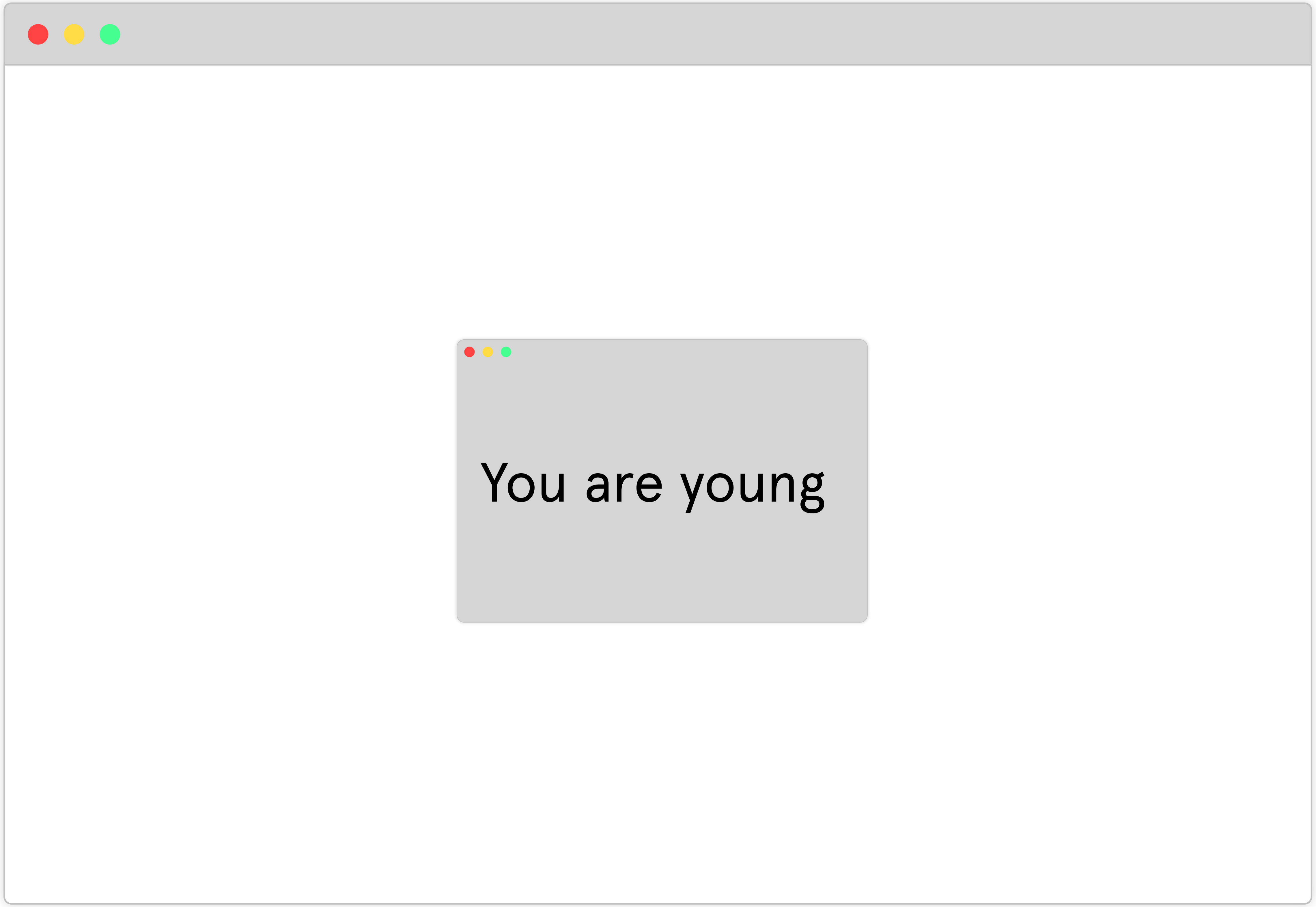


You are old

If statements

```
var age = 17;

if ( age > 18 ) {
    alert( “You are old” );
} else {
    alert( “You are young” );
}
```

Result



You are young

Functions

```
funtion name ( argument ) { }
```

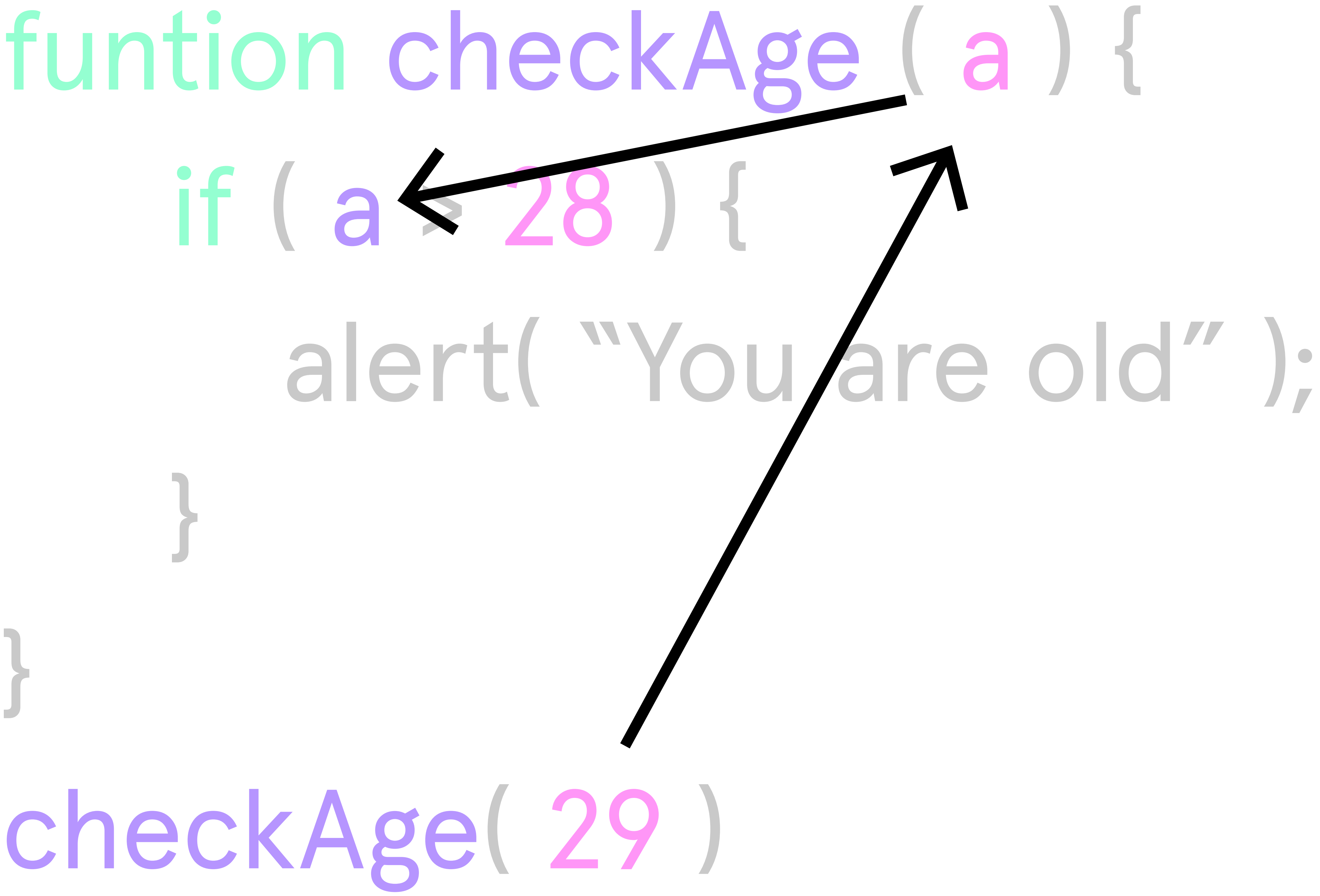
Functions

```
funtion checkAge ( a ) {
    if ( a > 28 ) {
        alert( “You are old” );
    }
}
checkAge( 29 )
```

Functions

```
funtion checkAge ( a ) {
    if ( a > 28 ) {
        alert( “You are old” );
    }
}
checkAge( 29 )
checkAge( 32 )
checkAge( 16 )
```

Functions



```
funtion checkAge ( a ) {
    if ( a > 28 ) {
        alert( “You are old” );
    }
}
checkAge( 29 )
```

Functions

```
var age = 29;
funtion checkAge ( a ) {
    if ( a > 28 ) {
        alert( “You are old” );
    }
}
checkAge( age )
```

Functions

```
var age = 29;
funtion checkAge ( a ) {
    if ( a > 28 ) {
        alert( “You are old” );
    }
}
checkAge( age )
age = 17
checkAge( age )
```

For Loops

```
for ( num; condition; num+1 )  { }
```

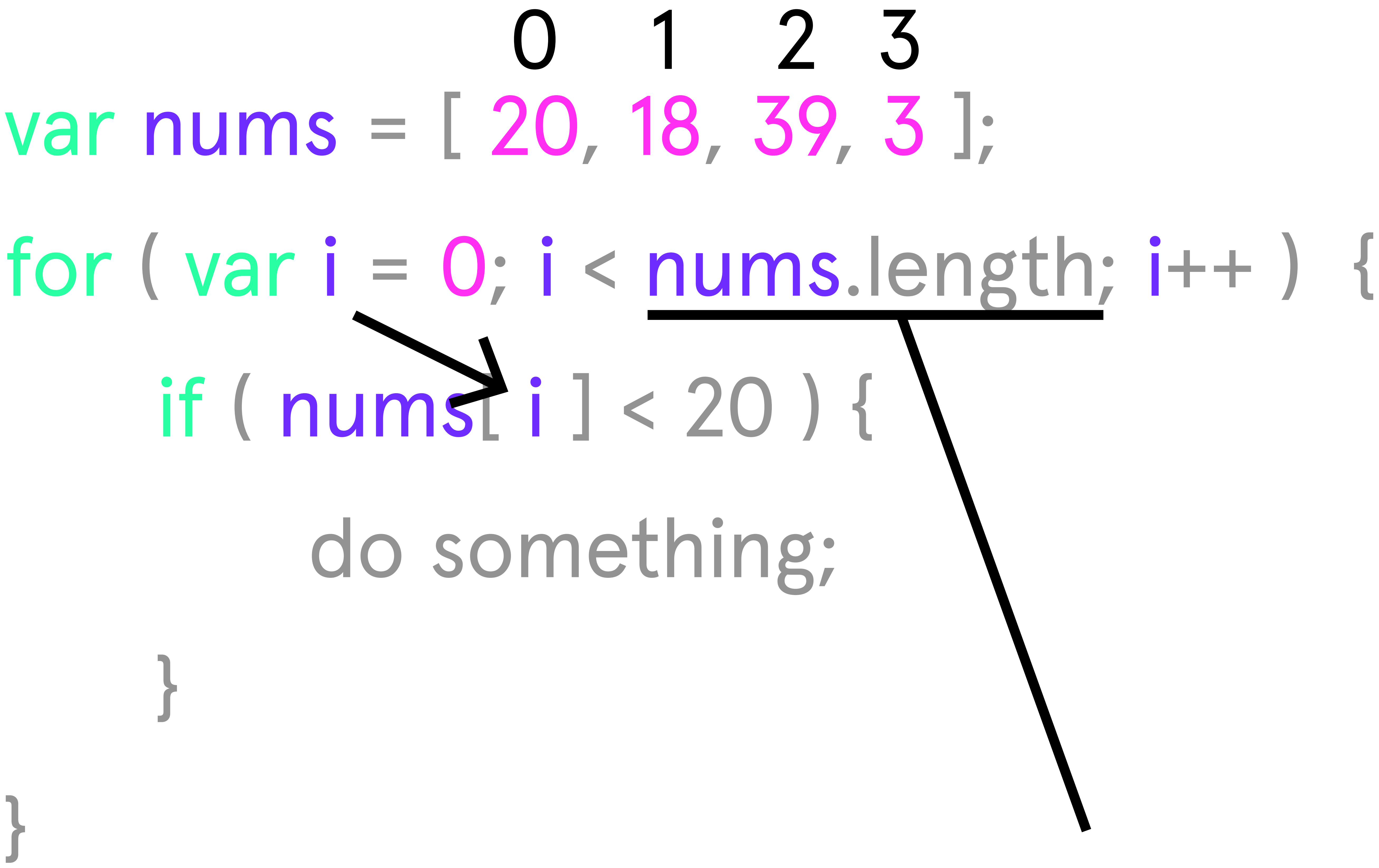
For Loops

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

For Loops

```
var nums = [ 20, 18, 39, 3 ];
for ( var i = 0; i < nums.length; i++ )  {
    if ( nums[ i ] < 20 ) {
        do something;
    }
}
```

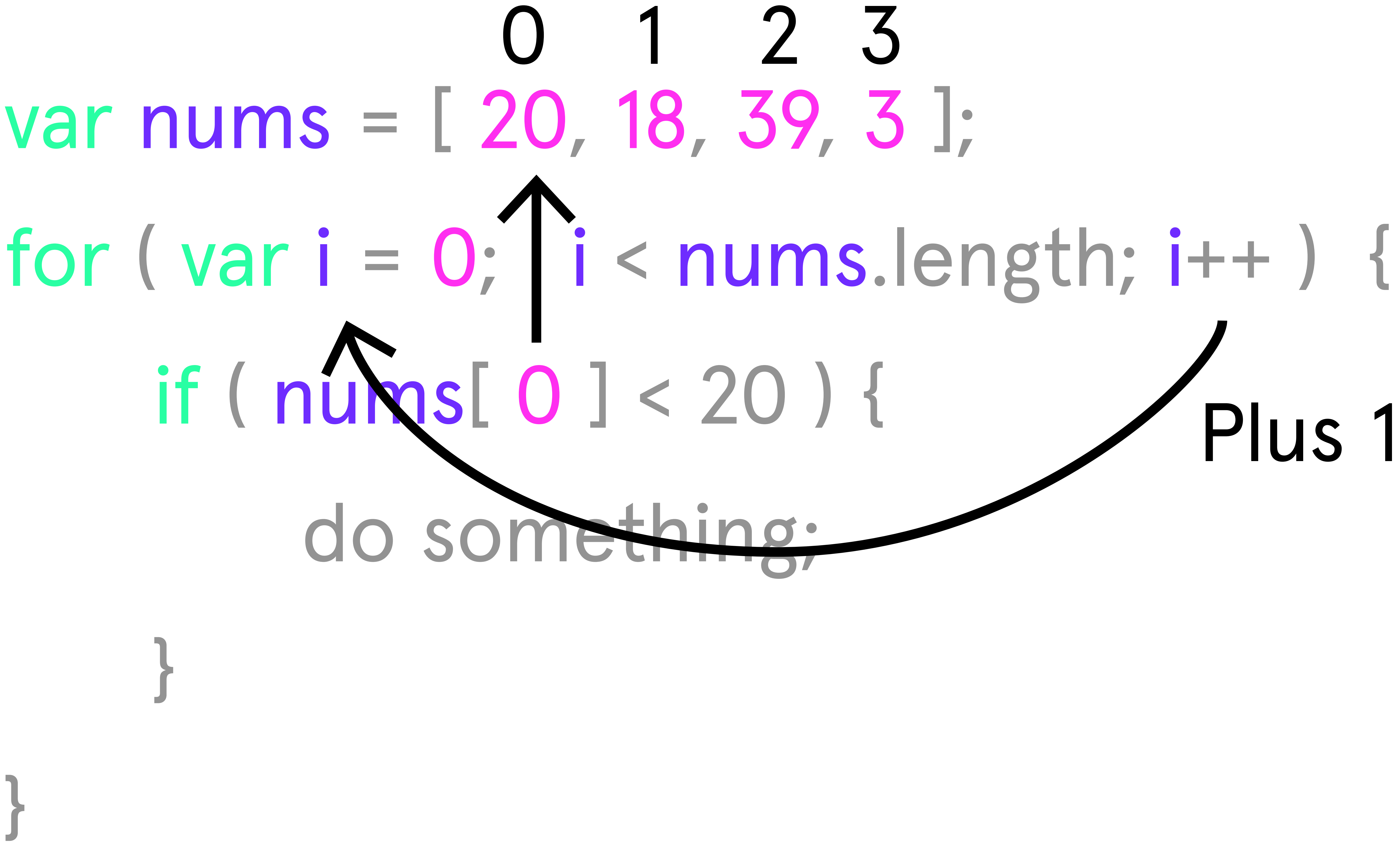
For Loops



```
             0    1    2   3
var nums = [ 20, 18, 39, 3 ];

for ( var i = 0; i < nums.length; i++ )  {

    if ( nums[ i ] < 20 ) {

        do something;

    }

}
```

nums.length is 4. There are 4 things in the array

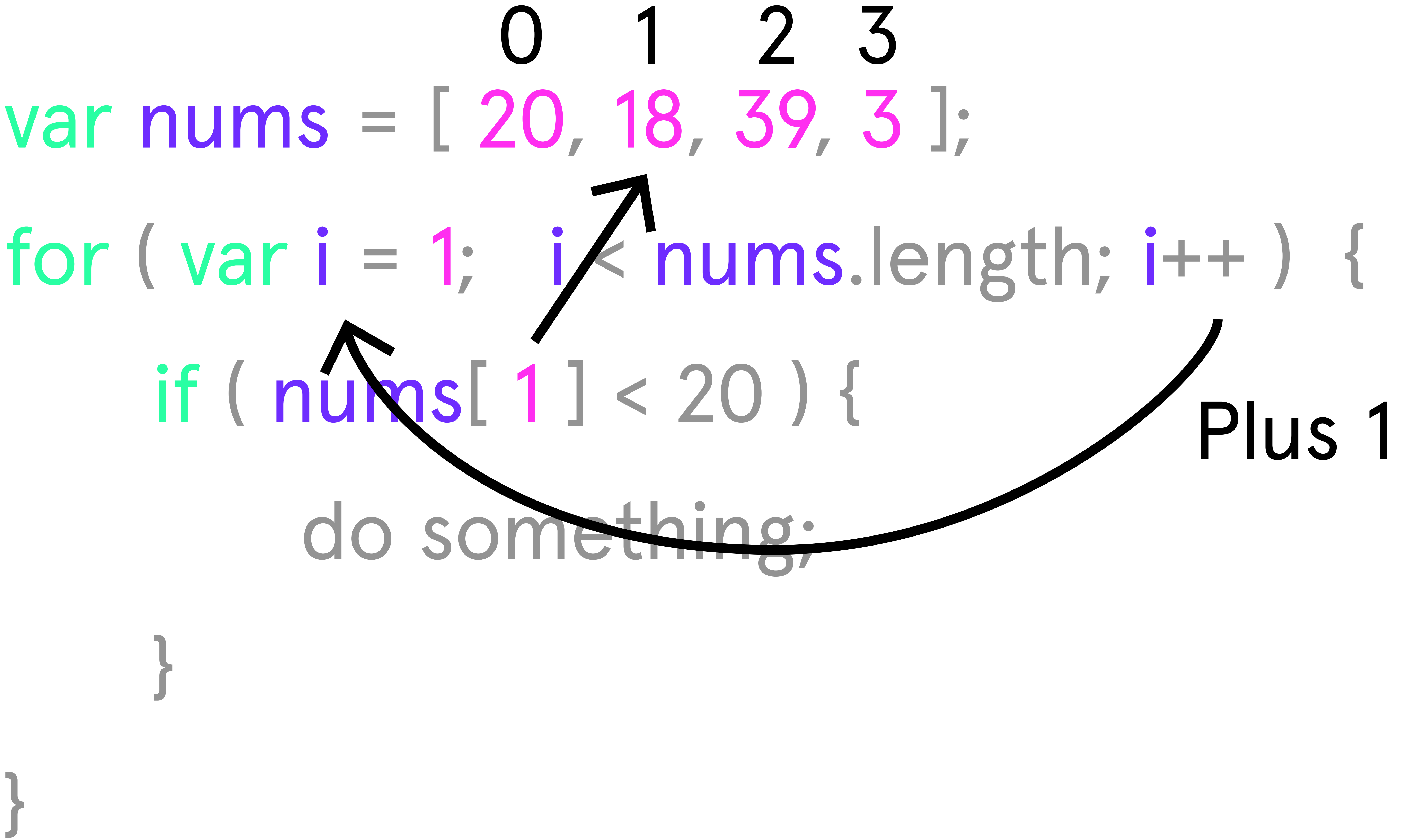
For Loops



```
             0   1   2   3
var nums = [ 20, 18, 39, 3 ];
for ( var i = 0; i < nums.length; i++ )  {
      if ( nums[ 0 ] < 20 ) {
            do something;
      }
}
```

Plus 1

For Loops



```
                 0    1    2   3
var nums = [ 20, 18, 39, 3 ];

for ( var i = 1;   i < nums.length; i++ )  {

      if ( nums[ 1 ] < 20 ) {

            do something;

      }

}
```

Plus 1

For Loops

```
              0   1   2   3
var nums = [ 20, 18, 39, 3 ];

for ( var i = 4; i < nums.length; i++ )  {

    if ( nums[ i ] < 20 ) {

        do something;

    }

}
```

i = 4
is 4 less that amount of nums?
No, it is the same amount.
Stop.