

Logical operators

1. Explain each output of the following code

```
Console.log( null || 2 || undefined );  
Console.log( 1 && null && 2 );  
Console.log( null || 2 && 3 || 4 );
```

```
let x = 3;
```

```
console.log((x < 5) && (x > 0));  
console.log((x < 5) && (x > 6));  
console.log((x > 2) || (x > 5));  
console.log((x > 3) || (x < 0));  
console.log(!(x == 3));  
console.log(!(x < 2));
```

2. Change the code inside console.log so output is true

```
const numOne = 5;  
const numTwo = 6;  
console.log(numOne == numTwo);
```

3. Ask user for his age and check that it is not between 14 and 90 inclusively. Create two variants: the first one using NOT !, the second one – without it.
4. Explain what result will produce the following code

```
(-1 || 0) && ( 'first' );  
(-1 && 0) || ( 'second' );  
(null || -1 && 1) && ( 'third' );
```