

Conditional execution

1. Check if a number is odd or even
2. Check if input variable is a number or not
3. Find the largest of two number
4. Find the largest of three number
5. Check if a triangle is equilateral (all side equal), scalene (all side unequal), or isosceles (2 sides are equals)
6. Find the a number is present in given range (provide start, end and number to be found)
7. Check if a year is leap year or not. A leap year is 1.- divisible by 400 OR 2.- divisible by 4 and not by 100
8. Rewrite the former if by using the ternary operator
9. Show the number of days in a given month
10. Rewrite the former if by using a switch statement
11. Rewrite the former if by using && and || operators
12. Will alert be shown?

```
if ("0") {  
    alert( 'Hello' );  
}
```

13. Rewrite the following code to optimize it (do not use switch). Rewrite again the following code by using a switch statement

```
let a = +prompt('a?', "");
```

```
if (a == 0) {  
    alert( 0 );  
}  
if (a == 1) {  
    alert( 1 );  
}
```

```
if (a == 2 || a == 3) {  
    alert( '2,3' );  
}
```