

OPERATORS IN JS

Assignment-operators in js

1. Check if a number is Even or Odd

Question:

write a Javascript program that prompts the user to enter a number and alerts "Even if the number is even, or "Odd" if the number is odd. Use the modulus operator % to check if the number is divisible by 2.

Input (via prompt):

Enter a number 7

Expected Output (via alert):

"Odd"

Input (via prompt):

Enter a number: 10

Expected Output (via alert):

"Even"

code:<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<script>

var number=+prompt("Enter a number")

if(number%2==0)

console.log("even")

else

console.log("odd")

</script>

</body>

</html>

2. Compare Two Numbers

Question:

Write a JavaScript program that prompts the user to enter two numbers and alerts:

"Greater if the first number is greater than the second,

"Equal" if both numbers are equal,
"Smaller if the first number is smaller than the second.

Input (via prompt):

Enter the first number: 10
Enter the second number: 5

Expected Output (via alert):
"Greater"

Input (via prompt):
Enter the first number: 7
Enter the second number: 7

Expected Output (via alert):
"Equal"

```
code:<!DOCTYPE html>
    <html lang="en">
    <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    </head>
    <body>
    <script>
        var first_num=+prompt("Enter first number")
        var second_num=+prompt("Enter second number")
        if(first_num > second_num){
            console.log("Greater")}
        else if(first_num < second_num){
            console.log("Smaller")}
        else{
            console.log("Equal")}
    </script>
    </body>
    </html>
```

3. Driving Eligibility Check

Question:

Write a JavaScript program that prompts the user to enter their age and whether they have a valid driver's licence (true or false). The program should alert "Can drive if the person is 18 or older and has a valid driver's Licence, otherwise it should alert Cannot drive".

Input (via prompt):

Enter your age: 20

Do you have a valid driver's License (true/false): true

Expected Output (via alert):

"Can drive"

Input (vta prompt):

Enter your age: 16

Do you have a valid driver's License (true/false): true

Expected Output (via alert):

"Cannot drive"

Code: <!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<script>

var age=+prompt("Enter your age")

if(age>=18)

console.log("can drive")

else

console.log("can't drive")

</script>

</body>

</html>

4. Determine if a Number is Positive, Negative, of Zero

Question:

Write a JavaScript program that prompts the user to enter a number and alerts "Positive" if the number is greater than 0, "Negative" if the number is less than 0, or "Zero" if the number is 0.

Input (via prompt):

Enter a number: 5

Expected Output (via alert):

"Positive"

Input (via prompt):

Enter a number: -3

Expected Output (via alert):

"Negative"

Input (via prompt):

Enter a number: 0

Expected Output (via alert):

"Zero"

code:`<!DOCTYPE html>`

`<html lang="en">`

`<head>`

`<meta charset="UTF-8">`

`<meta name="viewport" content="width=device-width, initial-scale=1.0">`

`<title>Document</title>`

`</head>`

`<body>`

`<script>`

`var num=+prompt("Enter a number")`

`if(num>0)`

`console.log("Positive")`

`else if(num<0)`

`console.log("Negative")`

`else`

`console.log("Zero")`

`</script>`

`</body>`

`</html>`