



Conditional Statements

Implementing Control Logic in JavaScript

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1. Write an **if** statement that examines two integer variables and exchanges their values if the first one is greater than the second one.
2. Write a script that shows the sign (+ or -) of the product of three real numbers without calculating it. Use a sequence of if statements.
3. Write a script that finds the biggest of three integers using nested if statements.
4. Sort 3 real values in descending order using nested if statements.

5. Write script that asks for a digit and depending on the input shows the name of that digit(0-9) using a switch statement.
6. Write a script that enters the coefficients a , b and c of a quadratic equation
$$a * x^2 + b * x + c = 0$$
and calculates and prints its real roots. Note that quadratic equations may have 0, 1 or 2 real roots.
7. Write a script that finds the greatest of given 5 variables.

8. Write a script that converts a number in the range [0...999] to a text corresponding to its English pronunciation. Examples:

0 → "Zero"

273 → "Two hundred seventy three"

400 → "Four hundred"

501 → "Five hundred and one"

711 → "Seven hundred and eleven"