The Math Class

WEB PROGRAMMING FUNDAMENTALS
web design and development
full sail university

wpf

Math Class

- The Math class contains methods and constants that represent common mathematical functions and values.

- All the properties and methods of the Math class are static and must be called using the syntax Math.method(parameter) or Math.constant.

Rounding

- Math.round(num);

  - Rounds the parameter up or down to the nearest integer and returns the value.

- Math.ceil(num);

  - Rounds the parameter up to the next higher integer.

- Math.floor(num);

  - Rounds the parameter down to an integer.

  - Effectively the same as casting to an integer.

So Random

- Math.random()

  - Returns a "pseudo-random" number n, where 0 <= n < 1

- To generate a random number within a range:

  - Math.random()*(max-min)+min

- Example: Random integer between 5 and 10, inclusive;

  - Math.floor(Math.random()*5)+5;