Python Math Module

* Math.pi # it returns a value of pi
* Math.e # it returns a value of euler number
* Math.inf # an infinite number
* Math.factorial( ) #it accepts an integer number and return its factorial
* Math.comb(n,r) # it returns the value of nCr
* Math.perm(n,r) # it returns the value of nPr
* Math.gcd(a,b) #it returns a greatest common divisor of a and b
* Math.ceil( ) # returns the upper bound
* Math.floor( ) # returns the lower bound
* Math.trunc( ) # truncate the number after decimal poin
* Round( ) # round off a number
* Math.isclose(a,b) # returns True if a and b are very close
* Math.isclose(a,b,abs\_tol=num) # it returns true according to the argument passed in abs\_tol parameter
* Math.fabs(x) # return the absolute value of x
* Math.fmod(x,y) # float modulus
* Math.modf(x) # separate integer and fractional part
* Math.sqrt(x) # returns square root of x
* Math.pow(a,b) #returns a power of a to the exponent b
* Math.exp(a) #returns e to the power a
* Math.log(a) # returns log to the base e of a
* Math.log2(a) # log base 2
* Math.log10(a) # log base 10
* Math.log(a,b) # log to the base b of a
* Math.dist(p,q) # returns the eucledian distance but 2 dimensions
* Math.hypot(\*coordinates) # it handles more than two dimensions
* Math.degrees(x) # convert x radians into degrees
* Math.radians(x) # convert x degrees to radians
* Math.sin(x) # return the sin of x radians
* Math.asin(x) # return the inverse of sin of x , in radians

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