Math Class

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**What is Java Math class and what purposes is it used for?**

Java has Math class and provides many useful methods that allows us to perform mathematical tasks on numbers

It is stored in java.lang package

**Briefly explain the most used Math class methods with examples.**

Mostly used Math methods are max(), min(), abs(), sqrt() and random()

Math.max(x, y)

this method takes 2 numbers and returns the greatest number

Example: Math.max(5, 8); // 8

Math.min(x, y)

this method takes 2 numbers and returns the lowest number

Example: Math.min(5, 8); // 5

Math.abs(a)

this method takes a number and always returns the positive value of the number

Example: Math.abs(4-10); // 6

Math.sqrt(x)

this method takes a number and always returns the square root of the number

Example: Math.sqrt(81); // 9.0

Math.random()

this method always returns a random number between 0.0 (inclusive), and 1.0 (exclusive)

Example: Math.random(); // any random number between 0.0 and 1.0