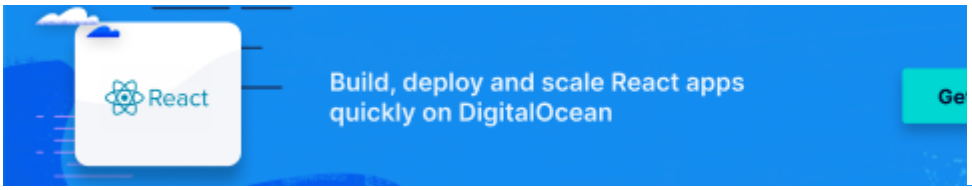


Java Math

‹ Previous
Next ›

The Java Math class has many methods that allows you to perform mathematical tasks on numbers.

Math.max(*x*,*y*)

The `Math.max(x,y)` method can be used to find the highest value of *x* and *y*:

Example

```
Math.max(5, 10);
```

Try it Yourself »

Math.min(*x*,*y*)

The `Math.min(x,y)` method can be used to find the lowest value of *x* and *y*:

Example

```
Math.min(5, 10);
```

Try it Yourself »

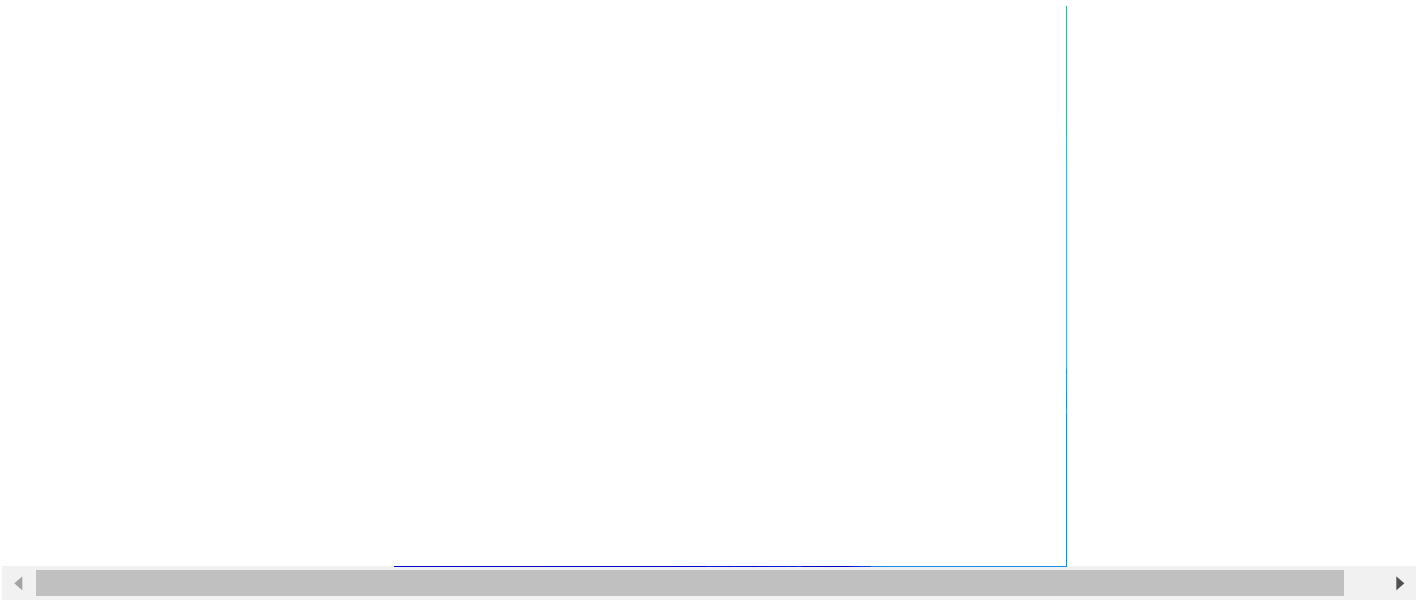
Math.sqrt(*x*)

The `Math.sqrt(x)` method returns the square root of *x*:

Example

```
Math.sqrt(64);
```

Try it Yourself »



Math.abs(*x*)

The `Math.abs(x)` method returns the absolute (positive) value of *x*:

Example

```
Math.abs(-4.7);
```

Try it Yourself »

Random Numbers

`Math.random()` returns a random number between 0.0 (inclusive), and 1.0 (exclusive):

Example

```
Math.random();
```

Try it Yourself »

To get more control over the random number, e.g. you only want a random number between 0 and 100, you can use the following formula:

Example

```
int randomNum = (int)(Math.random() * 101);  // 0 to 100
```

Try it Yourself »

Complete Math Reference

For a complete reference of Math methods, go to our Java Math Methods Reference.

Test Yourself With Exercises

Exercise:

Use the correct method to find the **highest value** of `x` and `y`.

```
int x = 5;
int y = 10;
Math.    (x, y);
```

Submit Answer »

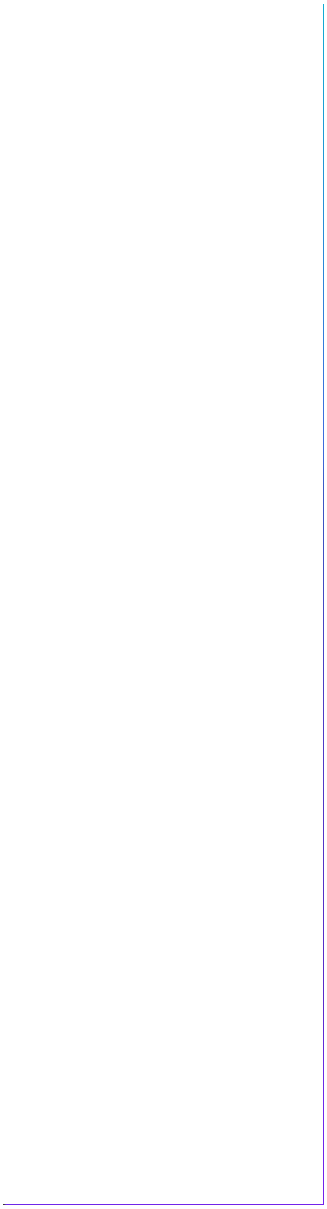
Start the Exercise

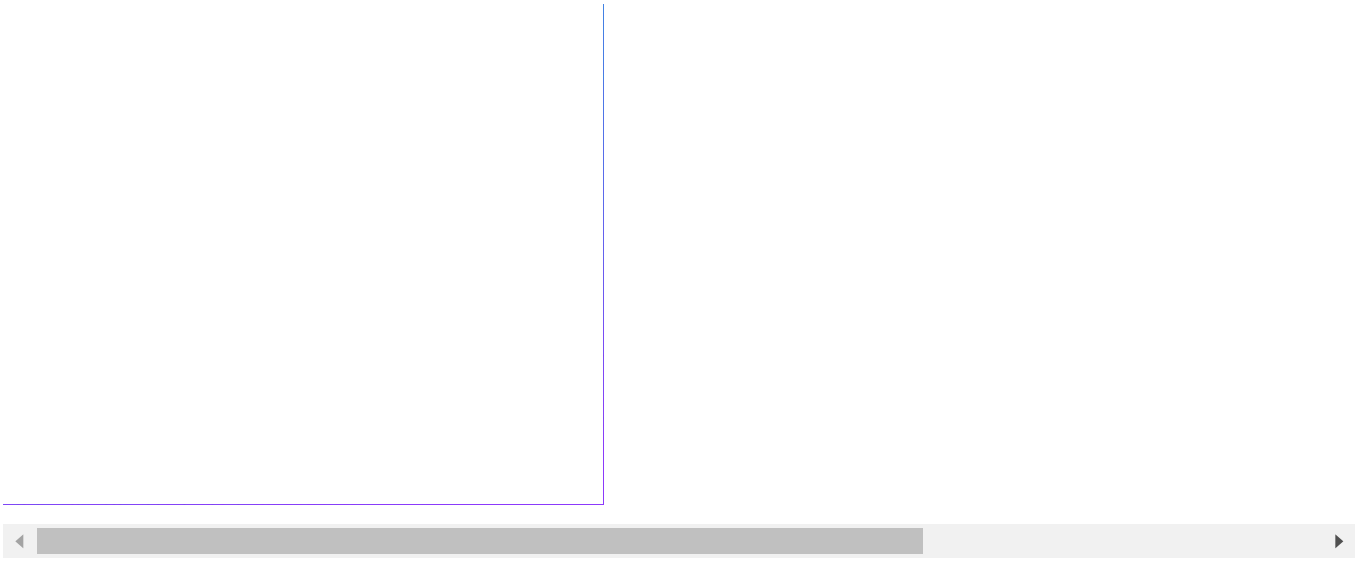
‹ Previous

Next ›

COLOR PICKER

CODE GAME





Top Tutorials

PHP Tutorial
Java Tutorial
C++ Tutorial
jQuery Tutorial

Top References

HTML Reference
CSS Reference
JavaScript Reference
SQL Reference
Python Reference
W3.CSS Reference
Bootstrap Reference
PHP Reference
HTML Colors
Java Reference
Angular Reference
jQuery Reference

Top Examples

HTML Examples
CSS Examples
JavaScript Examples
How To Examples
SQL Examples
Python Examples
W3.CSS Examples
Bootstrap Examples
PHP Examples
Java Examples
XML Examples
jQuery Examples

Get Certified

HTML Certificate
CSS Certificate
JavaScript Certificate
Front End Certificate
SQL Certificate
Python Certificate
PHP Certificate
jQuery Certificate
Java Certificate
C++ Certificate
C# Certificate
XML Certificate