## **WordPress Block Editor – Code Block**

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# WordPress Block Editor: Code Block

WordPress Training

**Tutorial Contents** 



This tutorial is part of our series on <u>How To Use The WordPress Block Editor</u> (<u>Gutenberg</u>).

- To learn more about using the WordPress block editor interface, go here: <u>The</u> <u>WordPress Block Editor – Content Area</u>
- To learn more about using blocks, see this tutorial: <u>How To Use WordPress Block</u> <u>Editor Blocks</u>
- For additional information, see this tutorial: <u>How To Add Code To WordPress Posts &</u> <u>Pages</u>

## **Code Block – Description**

Use the *Code block* to add formatted code and code snippets to your content that respect your spacing and tabs. add and display HTML, CSS, JavaScript, PHP, or just about any type of technical code on your site.

Brett To The Rescue	
Leave a reply	
Hi Jasper	
To calculate the distance between two points, copy and paste the code below into your distances.php file.	
This function uses the latitude and longitude of two locations and calculates the distance between them in both miles and metric units:	
<pre>function get_meters_between_points(\$latitude1, \$longitude1, \$latitude2, \$longitude2) {     if ((\$latitude1 == \$latitude2) &amp;&amp; (\$longitude1 == \$longitude2)) {</pre>	HiI'm Brett!
<pre>return 0; } // distance is zero because they're the same point \$p1 = deg2rad(\$latitude1);</pre>	
<pre>\$p2 = deg2rad(\$latitude2); \$dp = deg2rad(\$latitude2 - \$latitude1); \$dl = deg2rad(\$longitude2 - \$longitude1);</pre>	
<pre>\$a = (sin(\$dp/2) * sin(\$dp/2)) + (cos(\$p1) * cos(\$p2) * sin(\$d1/2) * sin(\$d1/2)); \$c = 2 * atan2(sqrt(\$a),sqrt(1-\$a));</pre>	
<pre>\$r = 6371008; // Earth's average radius, in meters \$d = \$r * \$c; return \$d; // distance, in meters</pre>	Add Code To
}	Your Content
	Source: Inkplant.com

Use the code block to display code in your content.



• The default *Code block* contains no additional options or settings, as all formatting can be included within the code itself.

- The WordPress Code block supports most code formats (e.g. HTML, CSS, JavaScript, PHP, etc.).
- The style of your code depends on your theme. Typically, code is displayed in a monospace font.

## How To Use The Code Block

In this section, we'll cover:

- How to add a Code block to your content.
- How to edit and configure your Code block and block settings.
- How to remove the Code block from your content.

For more details on using blocks (e.g. how to move blocks around your content), see this tutorial: **How To Use Blocks**.

#### Adding A Code Block

To add a Code Block to your content:

- Either:
  - Click on the 'Add Block' tool in the <u>Editing Toolbar</u> section and select the Code block (in *Most Used* or *Text* section),
  - Add the Code block in the Content Area.
- Type or paste in your content.
- Use the tools in the *Code Block Editor* or *Block Settings* section to format your Code block.

Let's go through the above steps.

First, create a new post or page or open an existing post or page and either:

Click on the 'Add Block' tool and select a Code block...

+	<u>/</u> ~ ~	() <u>–</u>	Switch to draft Pre
Search Blocks	Patterns	Q Reusable	<pre>// A "block" is the abstract term used // to describe units of markup that // when composed together, form the // content or layout of a page.</pre>
MOST USED		)	registerBlockType( name, settings );
¶ Paragraph	Code <sup>™</sup>	Image	Code Display code snippets that respect your spacing and tabs.
Heading	Gallen	•= List	
Heading	Gallery	LIST	

Add a Code block using the Add Block tool.

Or, select a Code block using the **Inserter tool** in the Content Area.

Ŵ	+ 🖌 🗠 🗇 🔁		Switch to draft	Preview Update
	Brett To The Rescue			
		Search for a bl	lock	۵
	Hi Jasper		[]	
	To calculate the distance between two po below into your distances.php file.	<b>¶</b> Paragraph	Code	Image
	This function uses the latitude and longi	M		<u>.</u>
	calculates the distance between them in	Heading	Gallery	List
	Write code…		Browse all	
				+

Add a Code block using the Inserter tool.

After adding a Code block, type, or paste in your code.

$$ $$ $$ $$ Switch to draft       Previous	iew Update 🌣 :
This function uses the latitude and longitude of two locations and This function uses the latitude and longitude of two locations and <b>B</b> / <b>C C C C C C C C C C</b>	.I'm Brett!
<pre>if ((\$latitude1 == \$latitude2) &amp;&amp; (\$longitude1 == \$longitude2)) { return 0; } // d zero because they're the same point    \$p1 = deg2rad(\$latitude1);</pre>	distance is
<pre>\$p2 = deg2rad(\$latitude2); \$dp = deg2rad(\$latitude2 - \$latitude1); \$dl = deg2rad(\$largitude2 - \$largitude1);</pre>	Emoji Win+ Undo Redo Ctrl+S
<pre>\$dl = deg2rad(\$longitude2 - \$longitude1); \$a = (sin(\$dp/2) * sin(\$dp/2)) + (cos(\$p1) * cos(\$p2) * sin(\$dl/2) * sin(\$dl/2)); \$c = 2 * atan2(sqrt(\$a),sqrt(1-\$a)); \$r = 6371008; // Earth's average radius, in meters</pre>	Cut Cut Paste Paste as plain text Ctrl-S
<pre>\$d = \$r * \$c; return \$d; // distance, in meters }</pre>	Select all Spell check Writing Direction Get image descriptions from Google
	Inspect Ctrl+:

Type or paste your code into the Code block.

After adding your code, save, publish, or update your post or page.

#### How To Edit A Code Block

To edit your Code block:

- Click inside the Code block to select it.
- Type or paste your formatted code into the Code block.
- Add an HTML anchor or style class to the Code block using CSS (in Advanced settings field).

Remember to update and publish your post or page to save your settings.

#### How To Remove A Code Block

To delete or remove a Code block from your content:

- Click inside the Code block to select it.
- Select the 'More Options' tool in the Block Editor.
- Click on 'Remove Block'.
- The block will be removed from your post or page.

Hi Jasper	
To calculate the distance between to below into your distances.php file. This function uses the latitude and l	
(> ::: <sup>2</sup> B / ⊡ ~	th miles and metric units: <i>HiI'm Brett!</i>
<pre>function get_meters_between_points(\$latit     if ((\$latitude1 == \$latitude2) &amp;&amp; (\$</pre>	Duplicate Ctrl+Shift+D
zero because they're the same point	Insert Before Ctrl+Alt+T
<pre>\$p1 = deg2rad(\$latitude1); \$p2 = deg2rad(\$latitude2);</pre>	Insert After Ctrl+Alt+Y
\$dp = deg2rad(\$latitude2 - \$latitude	Move To
<pre>\$dl = deg2rad(\$longitude2 - \$longitu \$a = (sin(\$dp/2) * sin(\$dp/2)) + (co</pre>	Edit as HTML /2));
\$c = 2 * atan2(sqrt(\$a),sqrt(1-\$a)); \$r = 6371008; // Earth's average rad \$d = \$r * \$c;	
return \$d; // distance, in meters	Group
}	Remove block M Shift+Alt+Z

Delete the code block from your content.

#### Additionally...

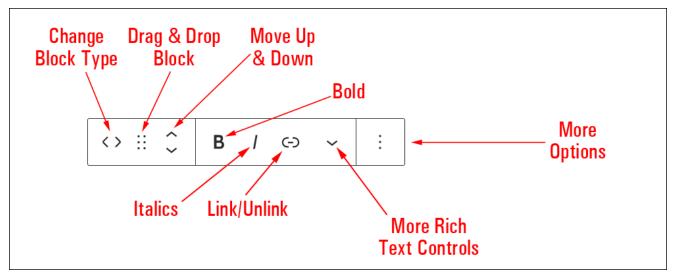
- You can reposition your block using the 'Move Up' and 'Move Down' arrows or the Drag and Drop handle tool (see this tutorial if you need help with this step: <u>How To Use</u> <u>Blocks</u>).
- You can also convert a Code block into a **Reusable block**.

### **Code Block Tools, Options & Settings**

The Code block includes tools, options, and settings for:

- Code Block Editor
- Code Block Settings

#### **Code Block Editor**



Code block editor menu.

The Code block editor lets you perform the following operations:

- Change block type or style (See 'Code Block Additional Info' section below.)
- Drag block
- Move block up and down
- **Bold** Add bold formatting.
- Italics Add italics.
- Link/Unlink Add or remove a hyperlink.
- More rich text controls See <u>How To Use Blocks</u> to learn more about using rich text control settings.
- More Options See <u>How To Use Blocks</u> to learn how to use this section.

#### **Code Block Settings**

	Post Block X
Code Block Description	Code Display code snippets that respect your spacing and tabs.
Typography Settings	Typography     ^       Font size     Custom       Default        Reset
Advanced Settings	Advanced ^ HTML anchor  Enter a word or two — without spaces — to make a unique web address just for this heading, called an "anchor." Then, you'll be able to link directly to this section of your page. Learn more about anchors [2] Additional CSS class(es)

Code block settings.

Code block settings include:

- Block description area
- Typography
  - Font Size
    - Default
    - Small
    - Normal
    - Medium
    - Large
    - Huge
    - Custom
  - *Custom* Enter font size in points or use the up and down arrows to select a value for this field.
  - Reset Resets font in block to default.

#### Advanced Settings

- HTML Anchor Create a unique web address to send users directly to this block using a unique jump link URL. To learn more about using HTML Anchors, see our tutorial on <u>How To Use Blocks</u>.
- Additional CSS Class(es) This field lets you add multiple CSS classes to your block separated with spaces. This allows you to write custom CSS and style the block as you see fit. Note: This requires having knowledge of CSS (Cascading Style Sheets).

## Code Block – Additional Info

The *Code block* can be converted into the following block types:

	:	:
TRANSFORM TO		
Columns		-
Group		
HTML Custom HTML		
Preformatted		

Change the Code block into other block types.

Installing **plugins** or **themes** on your site may also add new functionality, options, or settings to the Code block.

```
Brett To The Rescue
Leave a reply
Hi Jasper...
To calculate the distance between two points, copy and paste the code
below into your distances.php file.
This function uses the latitude and longitude of two locations and calculates
the distance between them in both miles and metric units:
                                                                               Hi...I'm Brett!
function get_meters_between_points($latitude1, $longitude1, $latitude2,
$longitude2) {
     if (($latitude1 == $latitude2) && ($longitude1 == $longitude2)) {
return 0; } // distance is zero because they're the same point
     $p1 = deg2rad($latitude1);
     $p2 = deg2rad($latitude2);
    $dp = deg2rad($latitude2 - $latitude1);
     $dl = deg2rad($longitude2 - $longitude1);
     $a = (sin($dp/2) * sin($dp/2)) + (cos($p1) * cos($p2) * sin($dl/2) *
sin($d1/2));
     $c = 2 * atan2(sqrt($a),sqrt(1-$a));
    $r = 6371008; // Earth's average radius, in meters
     d = r * c;
     return $d; // distance, in meters
 }
                                                                                Source: Inkplant.com
```

Display code in your content using a Code block.

Congratulations! Now you know how to use the WordPress content editor's Code block.

For tutorials on how to use other blocks, go here: <u>WordPress Block Editor – How To Use</u> <u>Blocks</u>

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Updated: April 8th, 2023