

# HTML

# Language of the Web



Part One of Four

# Head start with **HTML** & **Brackets**



## Basic facts

- **HTML** is markup language to make **web pages**
- **H**yper **T**ext **M**arkup **L**anguage
- It uses **tags** (marks) as a building blocks

<tag>



## What do we need?

- A **web browser** - program for surfing the web.

We'll use **Google Chrome**

<https://www.google.com/chrome>



- A **code editor** to create .html files

We'll use **Brackets**

<http://brackets.io/>



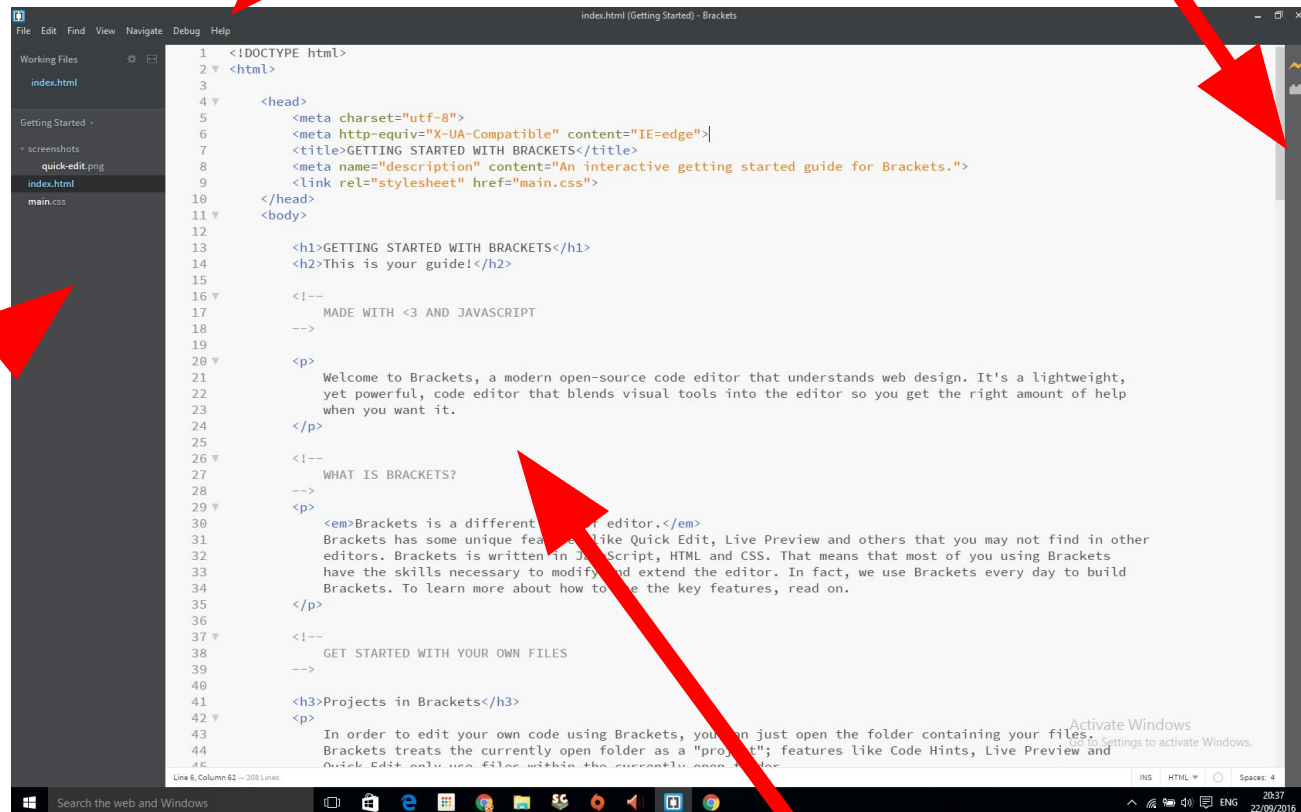
Brackets



## Main toolbar

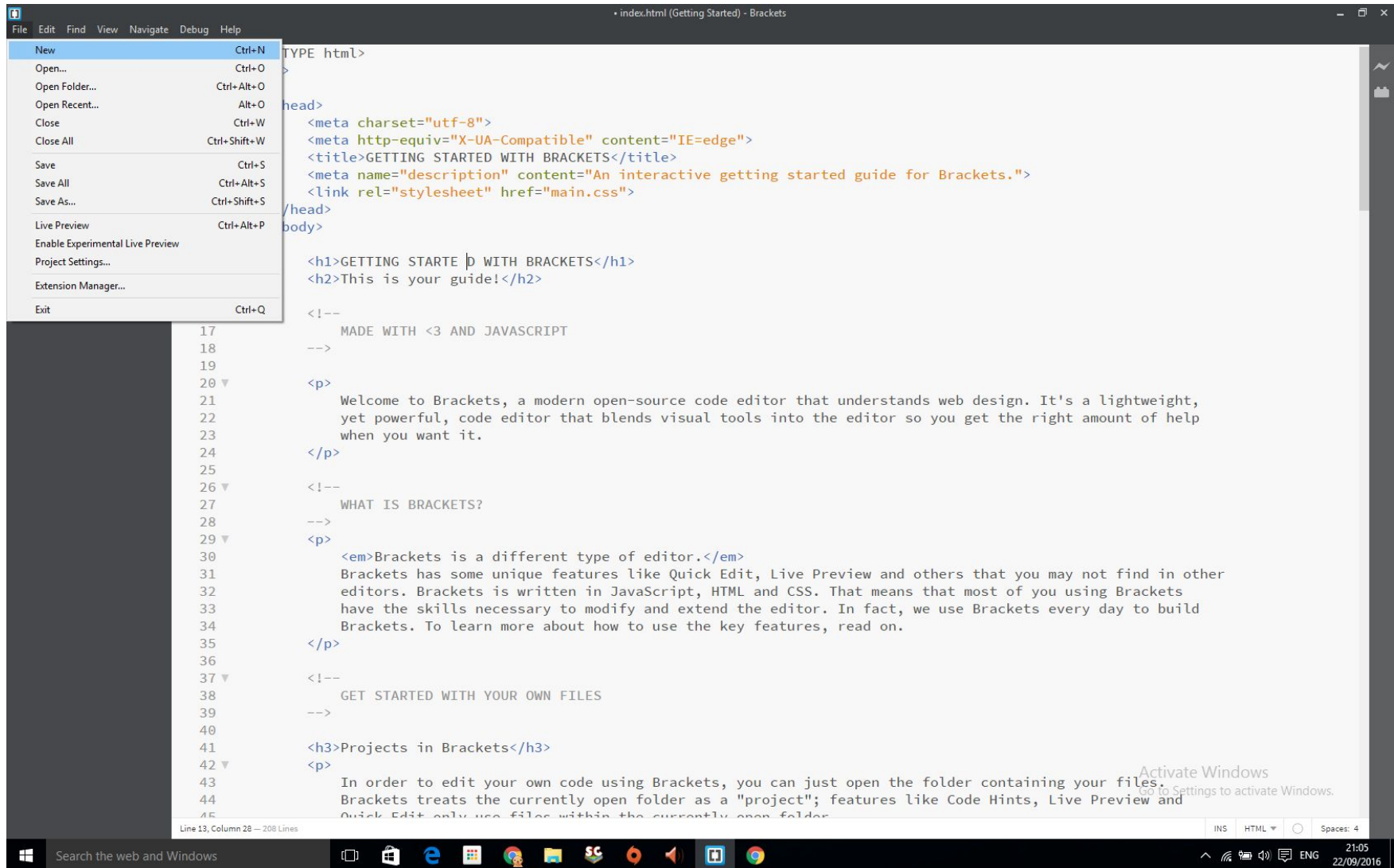
## Shortcuts toolbar

## Working files



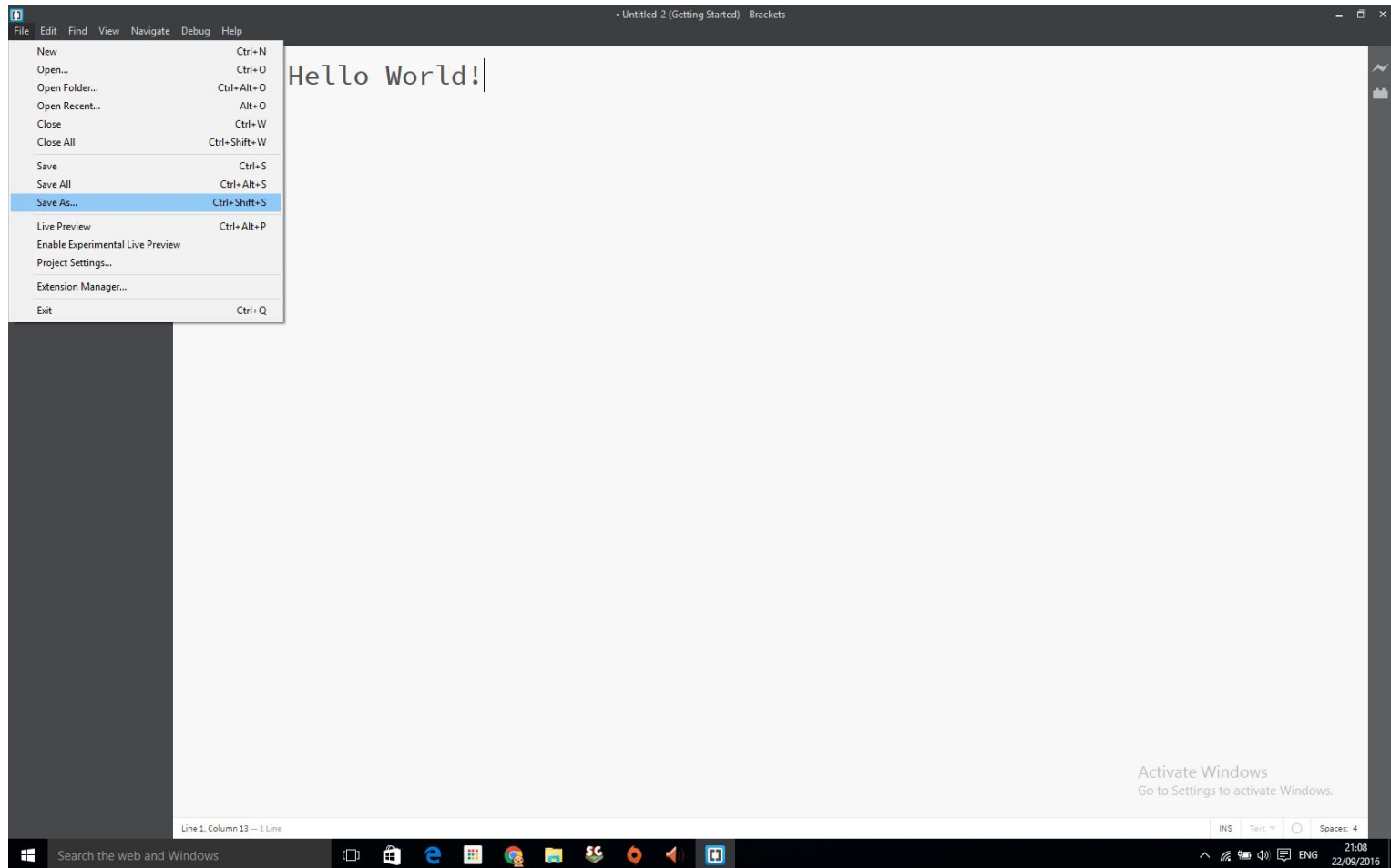
## Code view / edit

## Main toolbar > File > New

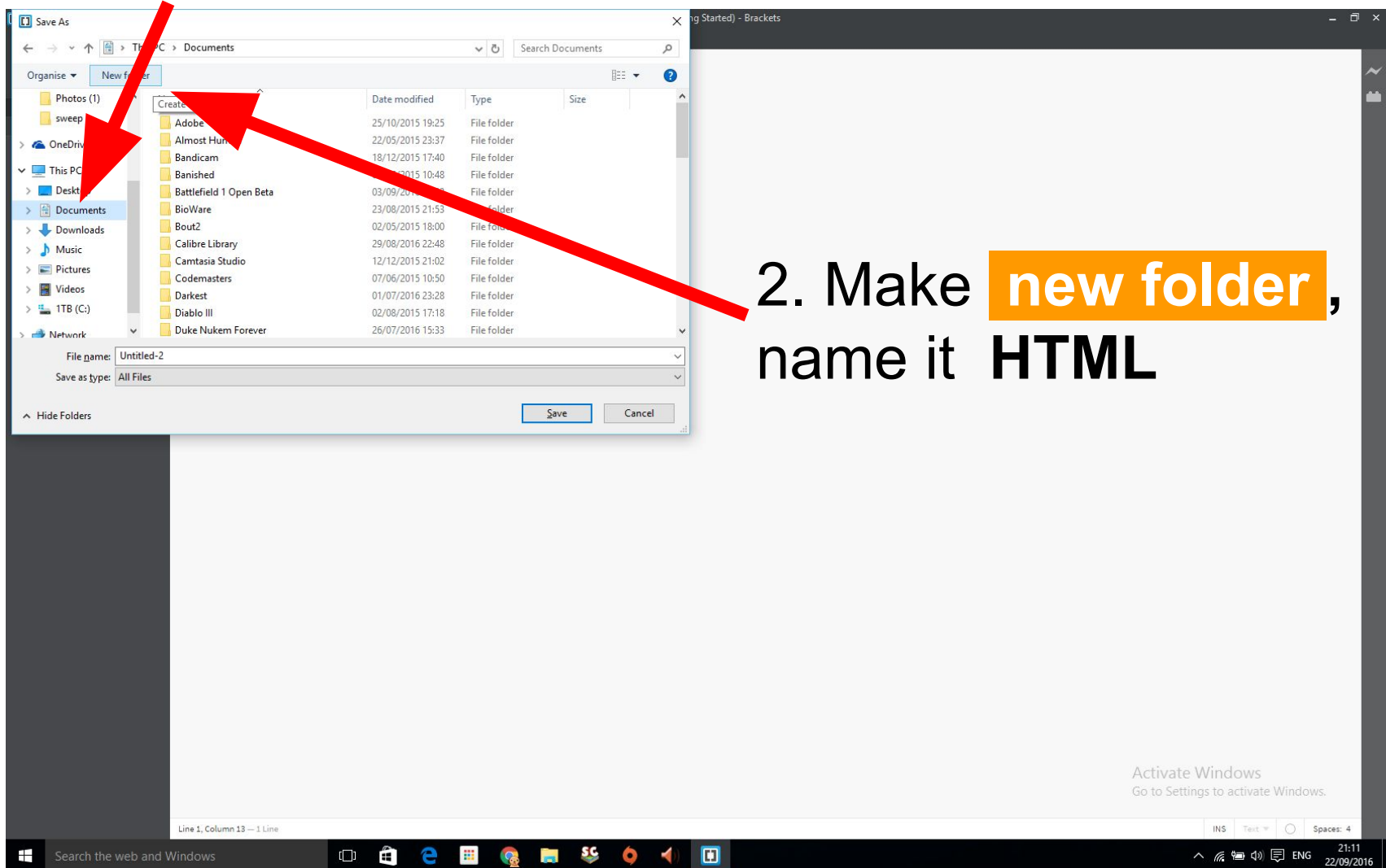


Type in code view: **Hello World!**

Then choose: **Main toolbar > File > Save As**



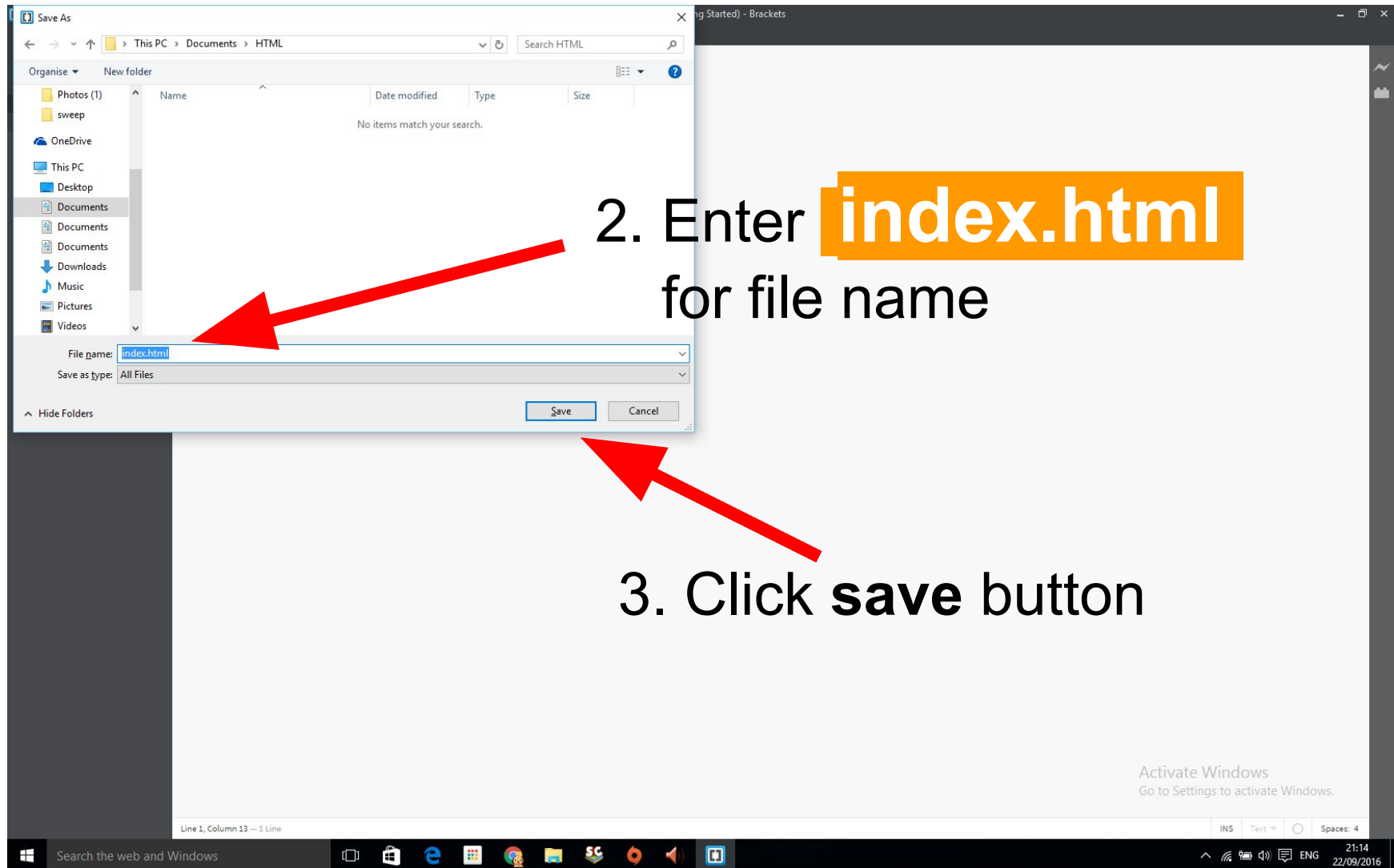
# 1. Click on Documents

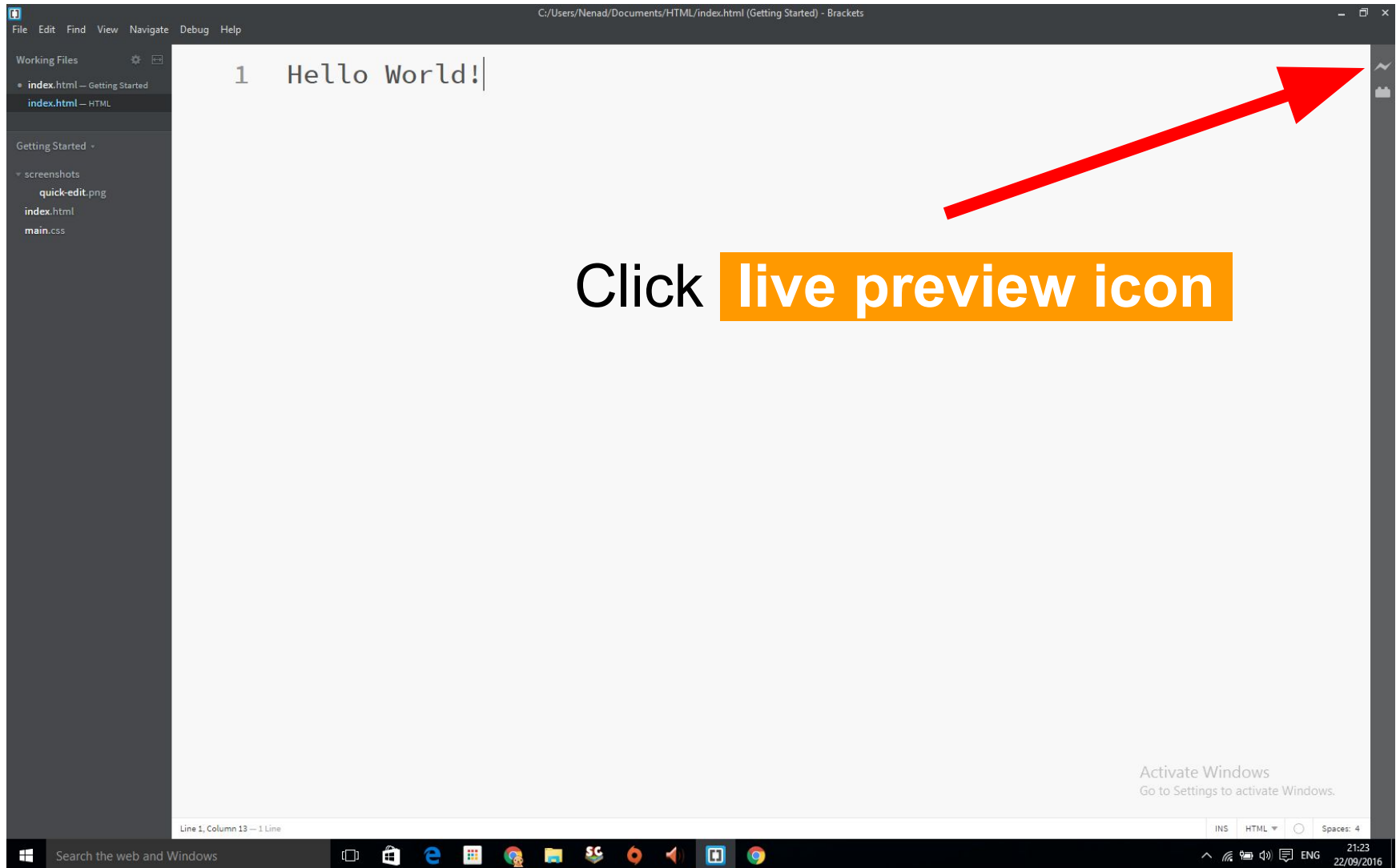


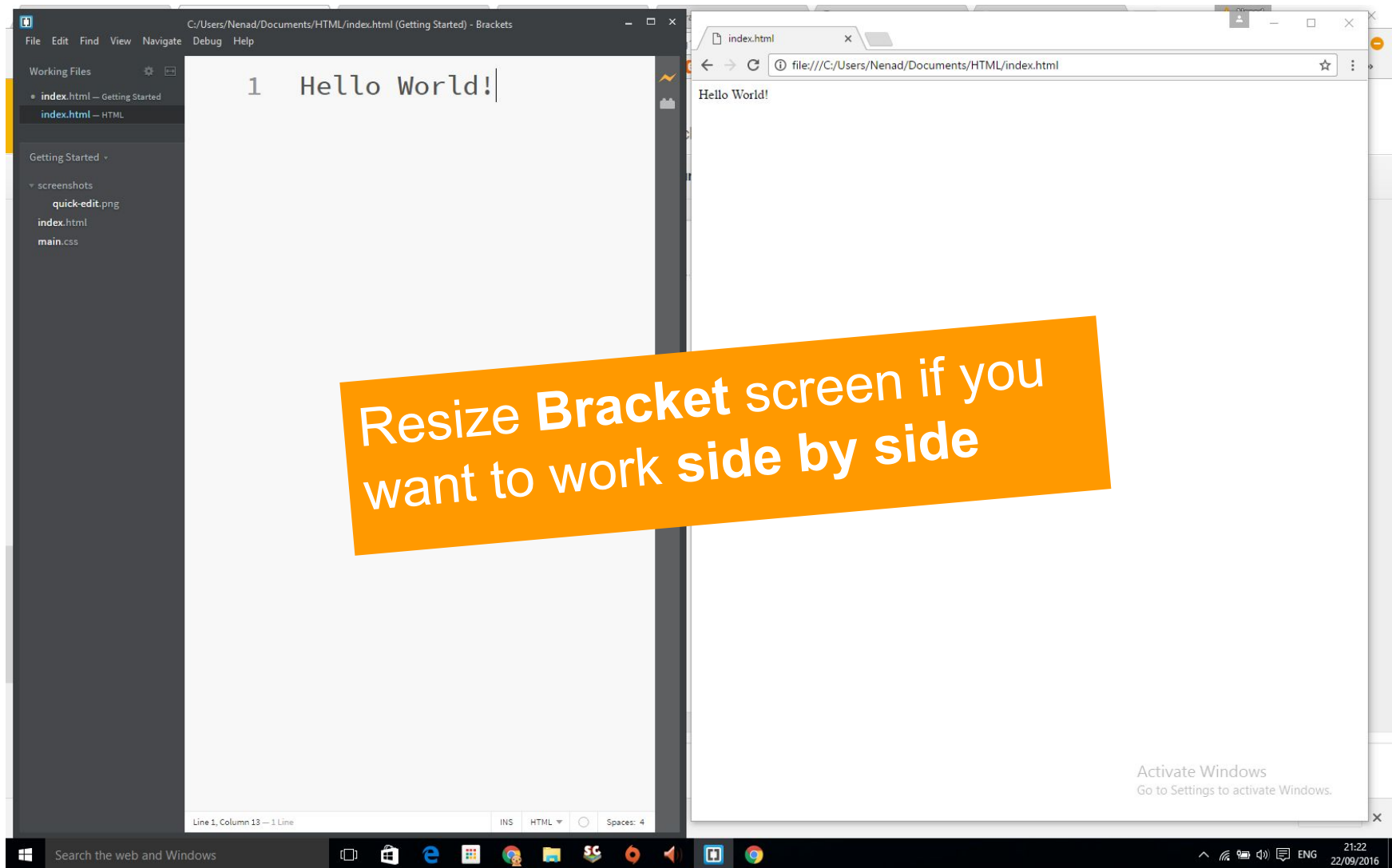
2. Make **new folder**, name it **HTML**



# 1. Click on new **HTML** folder







**Well done!**

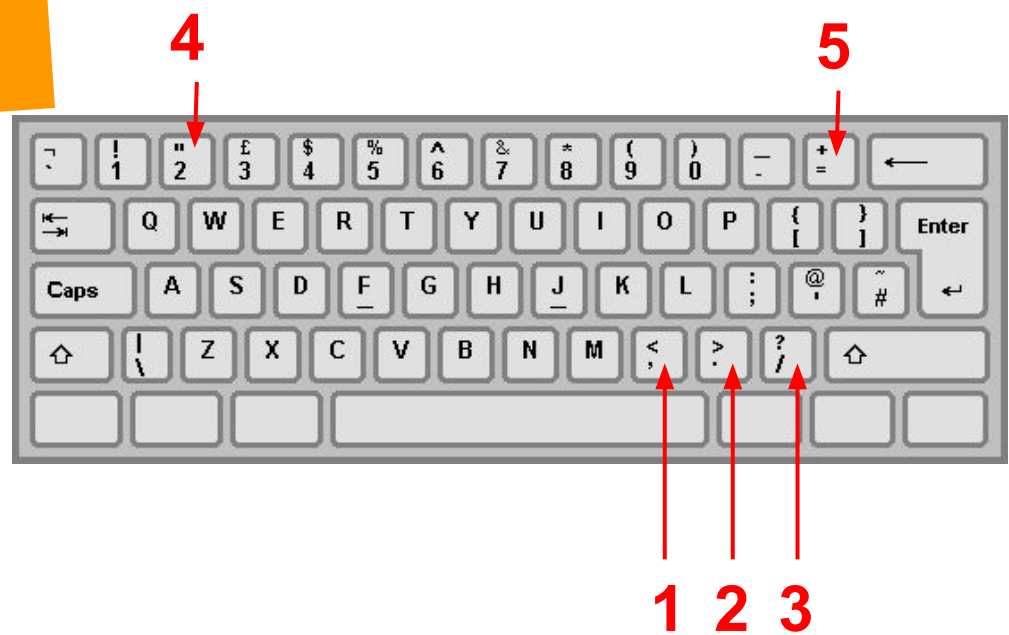
You've just created  
**your first web  
page,**

...and you didn't  
even use any of the  
**tags :)**



Before we continue...

We need to use certain keys that appear frequently in **HTML**



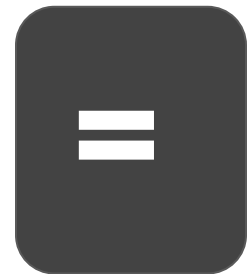
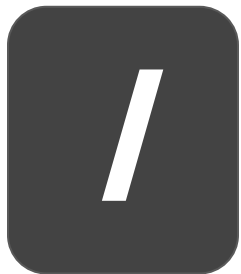
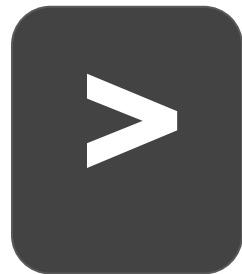
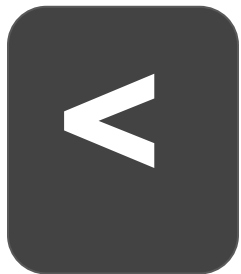
1. Angle bracket (less than)

2. Angle bracket (greater than)

3. Slash (or Forward slash)

4. Quote

5. Equals





## How tag works

- **Tag** is like a box:
  - You **open** it
  - You **put** stuff in it
  - You **close** it
- So **tag** has 3 parts:
  - **opening** tag code `<h1>`
  - **content**: our text, ie. Hello World!
  - **closing** tag code `</h1>`



## Type your first tag

- 1 Type <h1> (Bracket suggest tags while you type that)

<h1>Hello World!

- 2 Brackets auto-completes the tag!

<h1></h1>Hello World!

- 3 Put Hello world between (Ctrl + x, Ctrl + v) open and close tags

<h1>Hello World!</h1>

## Things to notice....

- When you typed in the **opening tag**, it suggested **autocompletion** and it **automatically** created **closing tag** for you.
- So you need to: **cut and paste** your text in between, or **cut and paste** closing tag at the end.
- Press **ctrl + s (Main Toolbar > Save)** and preview in Chrome is updated.
- Whoa! Did your Hello World! text **grew in size?**



## h1 tags

- They run from **1 to 6**, so they are: **h1, h2, h3, h4, h5, h6**
- Type **I am heading 1** instead of Hello World, and do so for rest of 5 tag types:

```
<h1>I am heading 1</h1>
```

```
<h2>I am heading 2</h2>
```

```
<h3>I am heading 3</h3>
```

```
<h4>I am heading 4</h4>
```

```
<h5>I am heading 5</h5>
```

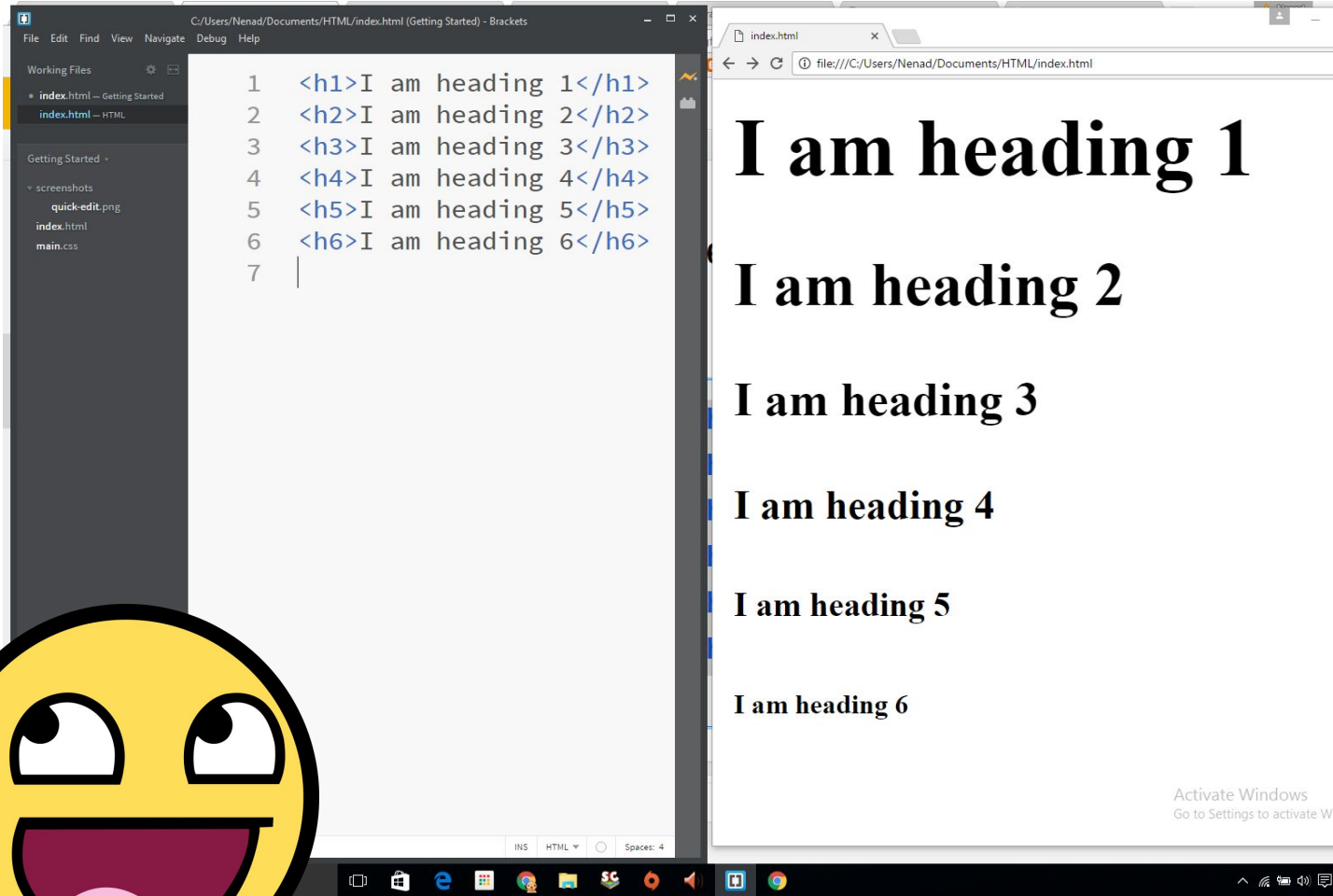
```
<h6>I am heading 6</h6>
```

- Hint: You can **copy paste** line and just change numbers
- If you cannot keep up, try just **h1, h3, and h5**

# Look of h1- h6

If you got it right, you should see font decreasing for each tag, otherwise check for typo's.

Well done!





## How about “normal” text? Try the `<p>` tag

- **p** stands for a **paragraph**, common text content
- Delete all and enter:

```
<h3>Dog</h3>
```

```
<p>The dog is a mammal with sharp teeth, an excellent  
sense of smell, and a fine sense of hearing.</p>
```

We created **an article**, with the  
title and the text

## Two articles? No problem.

`<h3>Dog</h3>`

`<p>`The dog is a mammal with sharp teeth, an excellent sense of smell, and a fine sense of hearing.`</p>`

`<hr>`

`<h3>Cat</h3>`

`<p>`Cats were first kept because they ate mice, and this is still their main 'job' in farms.`</p>`

Create **two articles** similar to following bellow. You can **copy and paste** your first article to create a second one.

- notice the `<hr>` we put between the articles. It is a new tag, **hr** stands for **horizontal rule**.
- it is a self **closing tag**, it only has one tag element and no nested content

## `<strong>` tag

- Let's make some words in our first article to stand out. We can make them `<strong>`.

```
<p>The dog is a mammal with <strong>sharp teeth</strong>, an excellent sense of smell, and a fine sense of hearing.</p>
```

- We've ended up with very long line. Imagine what will happen if we added another `<strong>` or more text? Split long lines!
- Notice how `<strong>` tag is inside `<p>` tag? We have **nested** tag here!

## Nesting the tags

- It is usual in **HTML** that **tags** end up inside **tags**
- For readability **we use spacing (indenting) to mark nested tags**
- Brackets by default uses **4 spaces** for nested elements



## Better nesting

So let's use **space** and **new line** (enter) for nesting our **HTML element** (that's how tags are called when shown inside browsers).

`<p>`

The dog is a mammal with

`<strong>`sharp teeth`</strong>`,

an excellent sense of smell, and a fine sense of hearing.

`</p>`



**That's all for now, folks!**

- We learnt how to use **Brackets** to **create** our first HTML
- We now know what are **HTML tags** and how to write them
- We explored **h1 - h6, p, strong, hr** tags
- We know how to deal with **nesting** in **HTML**

**Next week: colours, images and videos!**

