

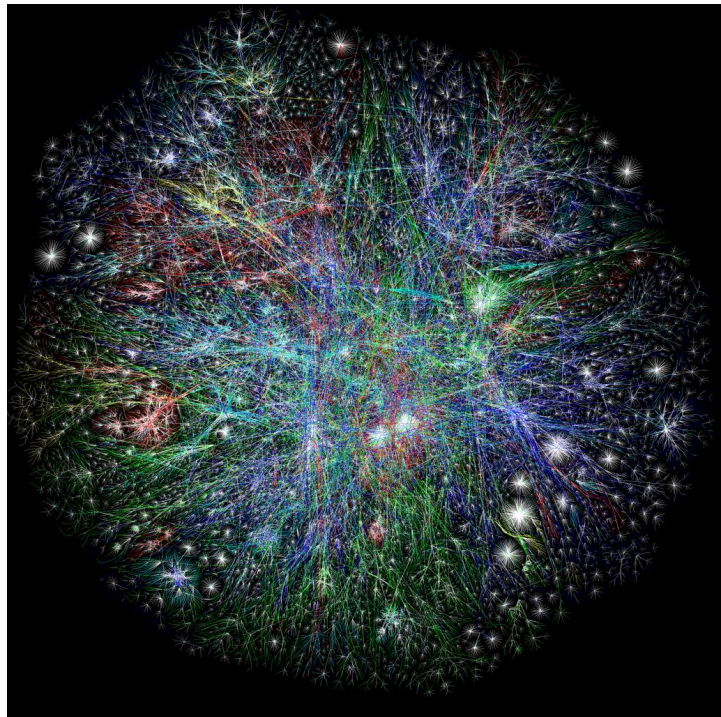


Build a Website

Beginners Guide to **HTML**

Part One of Four

Head start with **HTML** & **Komodo Edit**



Classic OPTE Project Map of the Internet 2005
by Mike Lee via Flickr

Basic facts

- **HTML** is markup language to make **web pages**
- **HTML** stands for **H**yper**T**ext **M**arkup **L**anguage
- It uses **tags** (“marks”) as a building blocks
- Each tag describes **type** of its **content**
- Web page have one or more **HTML documents**
- Documents can be **connected** with hyperlinks

<tag>



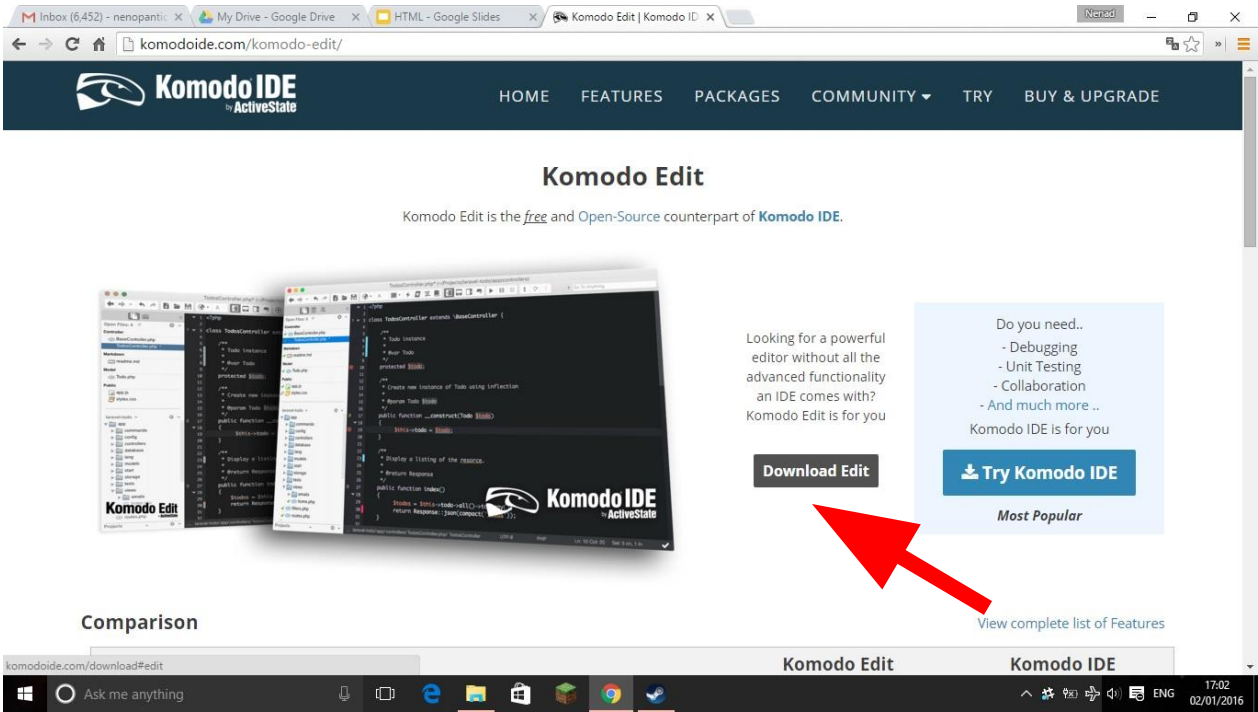
What do we need?

- A **web browser** - program for opening web pages (.html)
- We will use **Google Chrome** web browser <https://www.google.com/chrome/>
- A **code editor** (IDE) to create .html files
- We will use **Komodo Edit** <http://komodoide.com/komodo-edit/>



Komodo Edit Download

<http://komodoide.com/komodo-edit/>



The screenshot shows a web browser window at komodoide.com/komodo-edit/. The page features the Komodo IDE logo and navigation links: HOME, FEATURES, PACKAGES, COMMUNITY, TRY, and BUY & UPGRADE. The main heading is "Komodo Edit", followed by the text "Komodo Edit is the free and Open-Source counterpart of **Komodo IDE**." Below this is a large image of the Komodo IDE interface with code. To the right of the image is a text box that reads: "Looking for a powerful editor without all the advanced functionality an IDE comes with? Komodo Edit is for you". Below this text is a "Download Edit" button. To the right of the button is a light blue box with the text "Do you need.." followed by a list: "- Debugging", "- Unit Testing", "- Collaboration", and "- And much more ..". Below this list is the text "Komodo IDE is for you" and a blue button that says "Try Komodo IDE". Below the button is the text "Most Popular". A red arrow points from the "Download Edit" button to the "Try Komodo IDE" button. At the bottom of the page, there is a "Comparison" section with two tabs: "Komodo Edit" and "Komodo IDE". The "Komodo Edit" tab is selected. The footer of the browser shows the address bar with "komodoide.com/download#edit", the Windows taskbar with the search bar "Ask me anything", and the system clock showing "17:02 02/01/2016".

Komodo IDE
by ActiveState

HOME FEATURES PACKAGES COMMUNITY TRY BUY & UPGRADE

Komodo Edit

Komodo Edit is the free and Open-Source counterpart of **Komodo IDE**.

Looking for a powerful editor without all the advanced functionality an IDE comes with? Komodo Edit is for you

[Download Edit](#)

Do you need..
- Debugging
- Unit Testing
- Collaboration
- And much more ..
Komodo IDE is for you

[Try Komodo IDE](#)

Most Popular

[View complete list of Features](#)

Comparison

[komodoide.com/download#edit](#)

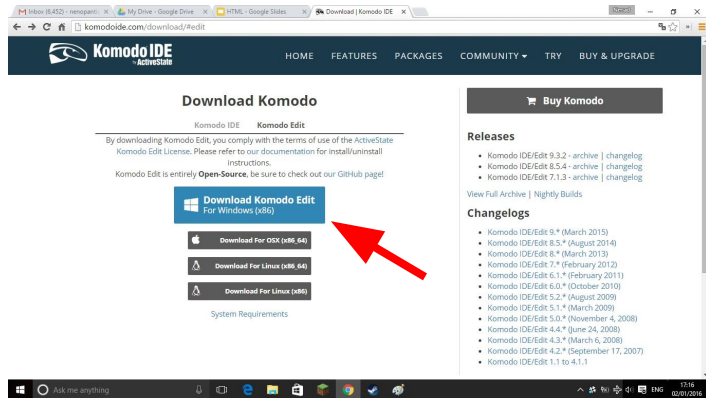
Komodo Edit Komodo IDE

Ask me anything

17:02 02/01/2016

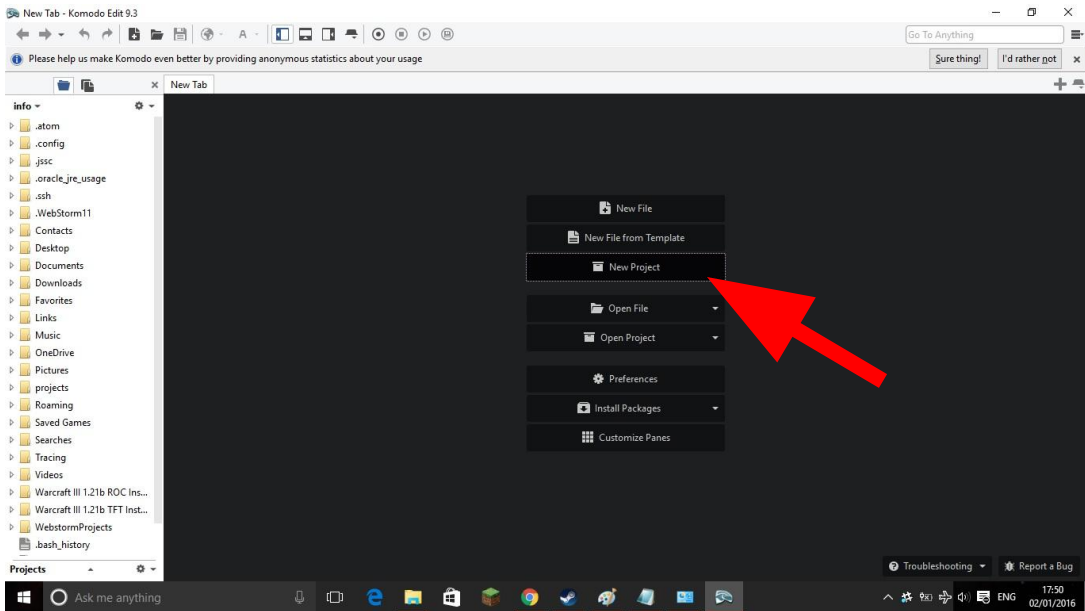
Komodo Edit - download and Install

- Choose your operating system package
- Click on a link: **Just let me download your software**
- Click on a link: **Start the download manually**
- Click on the **downloaded file**
- Follow the standard procedure: next, I accept, next...
- **Launch Komodo Edit** after install



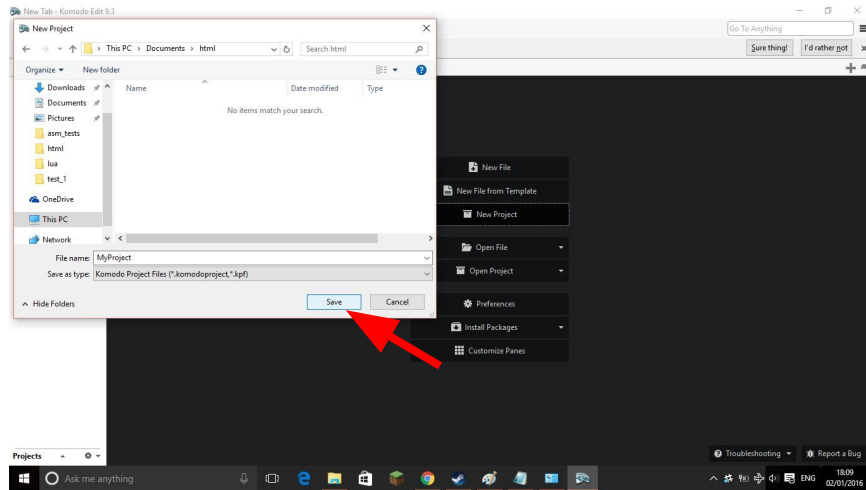
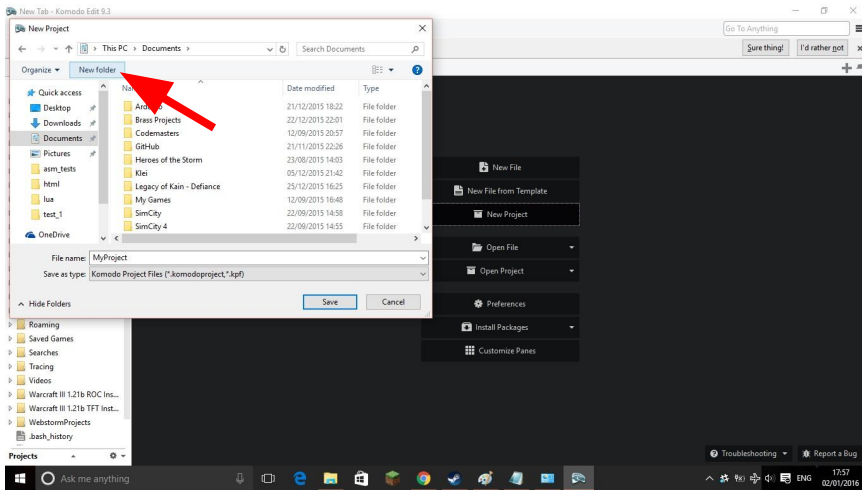
Create new project

- We will create new project to hold our web page
- Close one-time introduction popup dialog
- Click on **New Project**



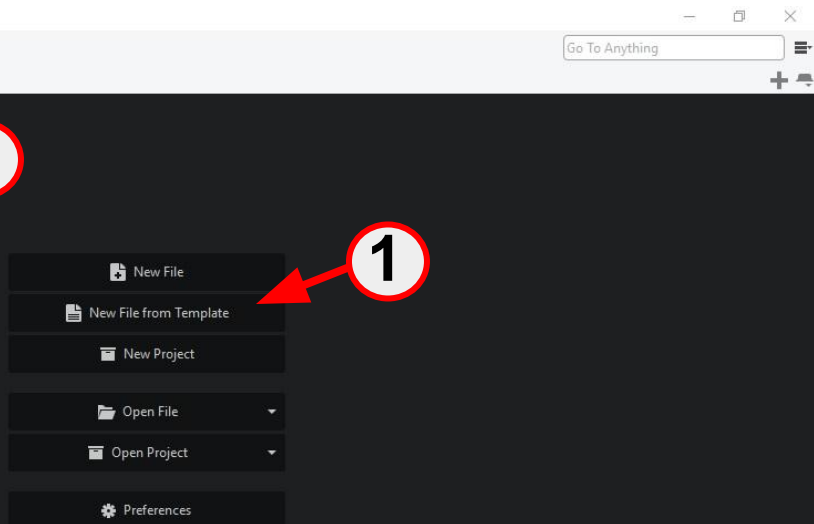
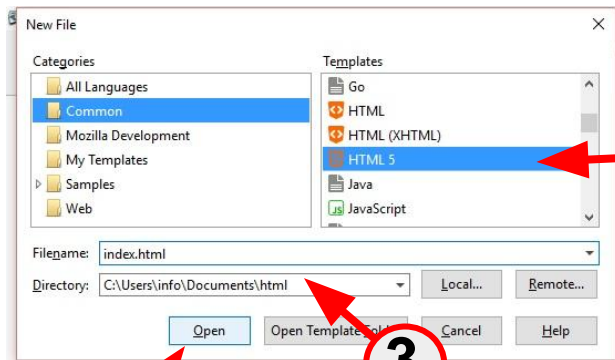
Create new directory, save project

- Create **New folder** to store our project (name it “html”, for example)
- enter into newly created folder
- Name our project as “my_project” and **save**
- if Komodo asks to add a project extension, click **Yes**



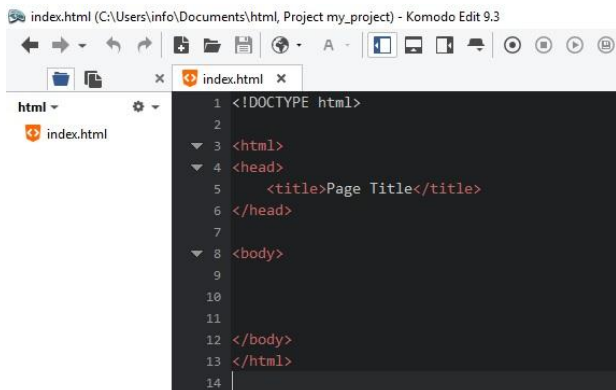
Create first html page

- Click **New File from Template**
- Click **HTML5** (Categories -> Common)
- Name your file: **index.html**, click **Open**
- This will create **HTM** skeleton, **HTML5** is current HTML implementation

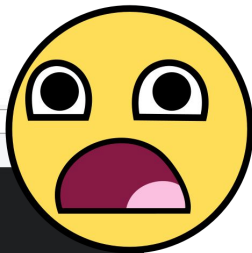


Not so fast...

- And we have our **first html page!** But let's get rid of html skeleton for now...
- Select all lines (right click on code -> Select -> Select All) and **delete** them
- Type simply: **Hello World!**

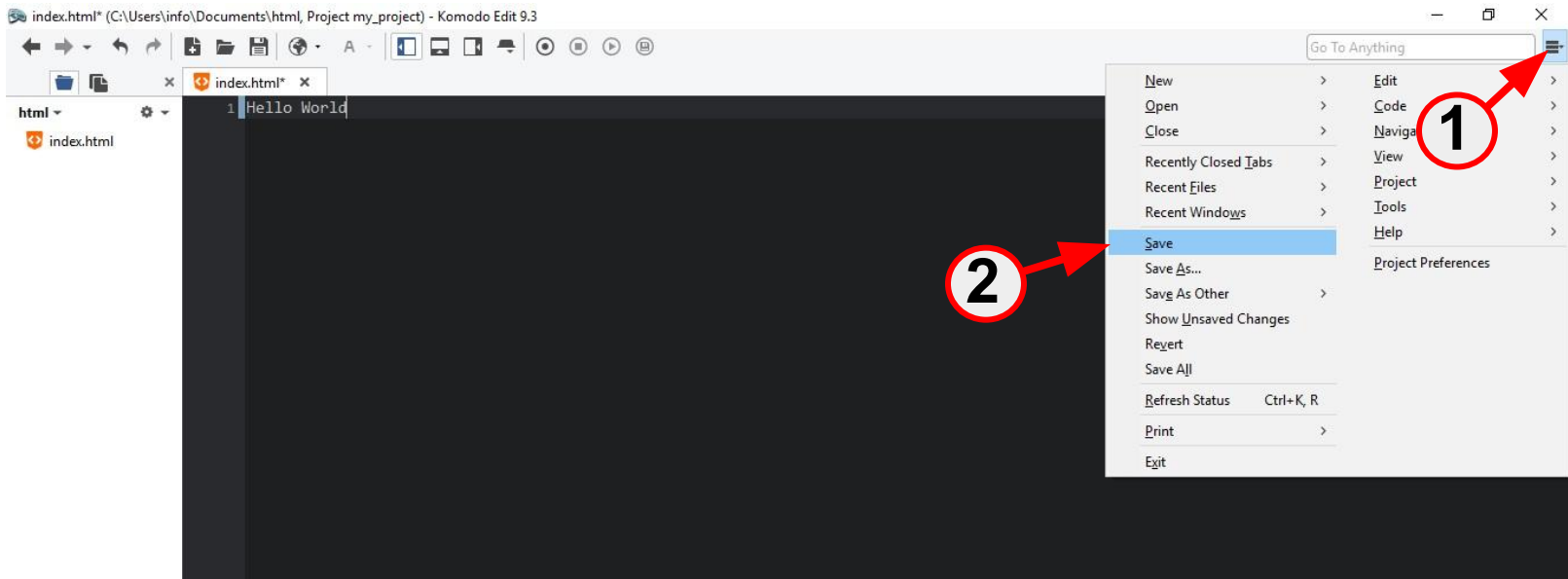


```
index.html (C:\Users\info\Documents\html, Project my_project) - Komodo Edit 9.3
index.html x
html
index.html
1 <!DOCTYPE html>
2
3 <html>
4 <head>
5   <title>Page Title</title>
6 </head>
7
8 <body>
9
10
11
12 </body>
13 </html>
14
```



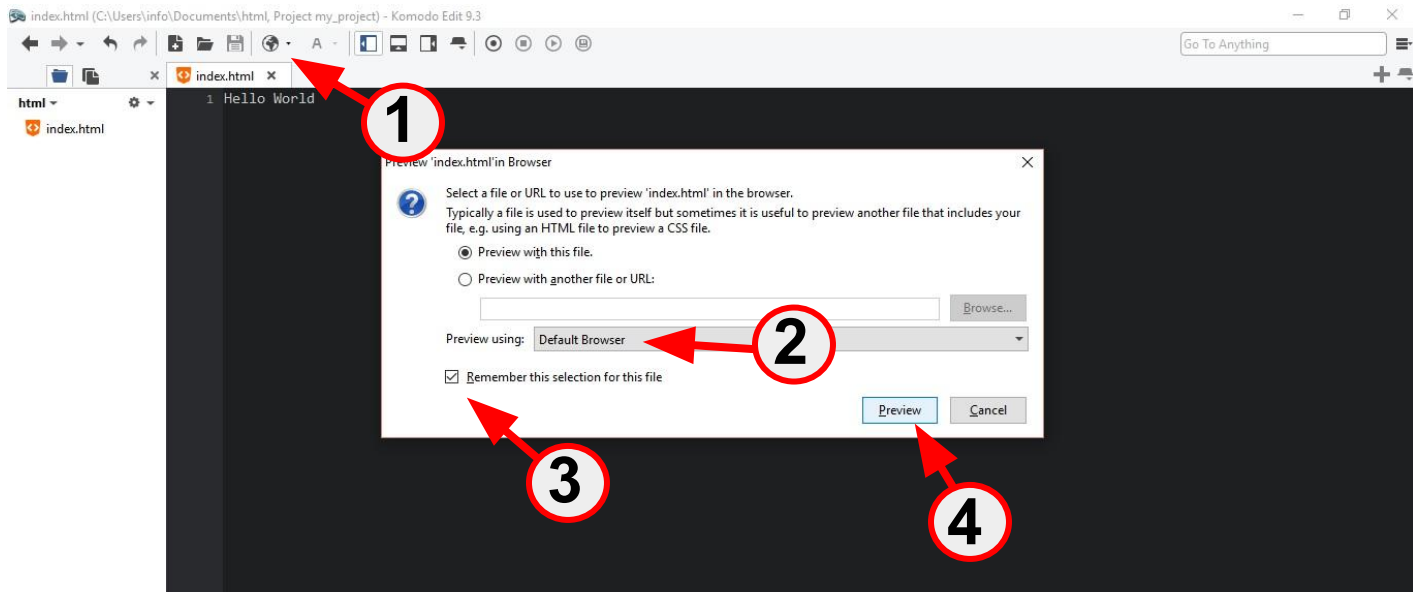
Save new file

Let us **save our file**, we can do it by hitting **ctrl + s**, but let us familiarize with right hand Komodo Edit menu, click **menu icon** to open it (notice lots of options there!) and click **Save**.



Let's preview our page

Click on the globe icon, if your default browser is Chrome, Leave **Preview Using:** as is, otherwise chose Chrome from the dropdown. tick “**Remember this selection for this file**” so we don't get the popup again, and click **Preview**



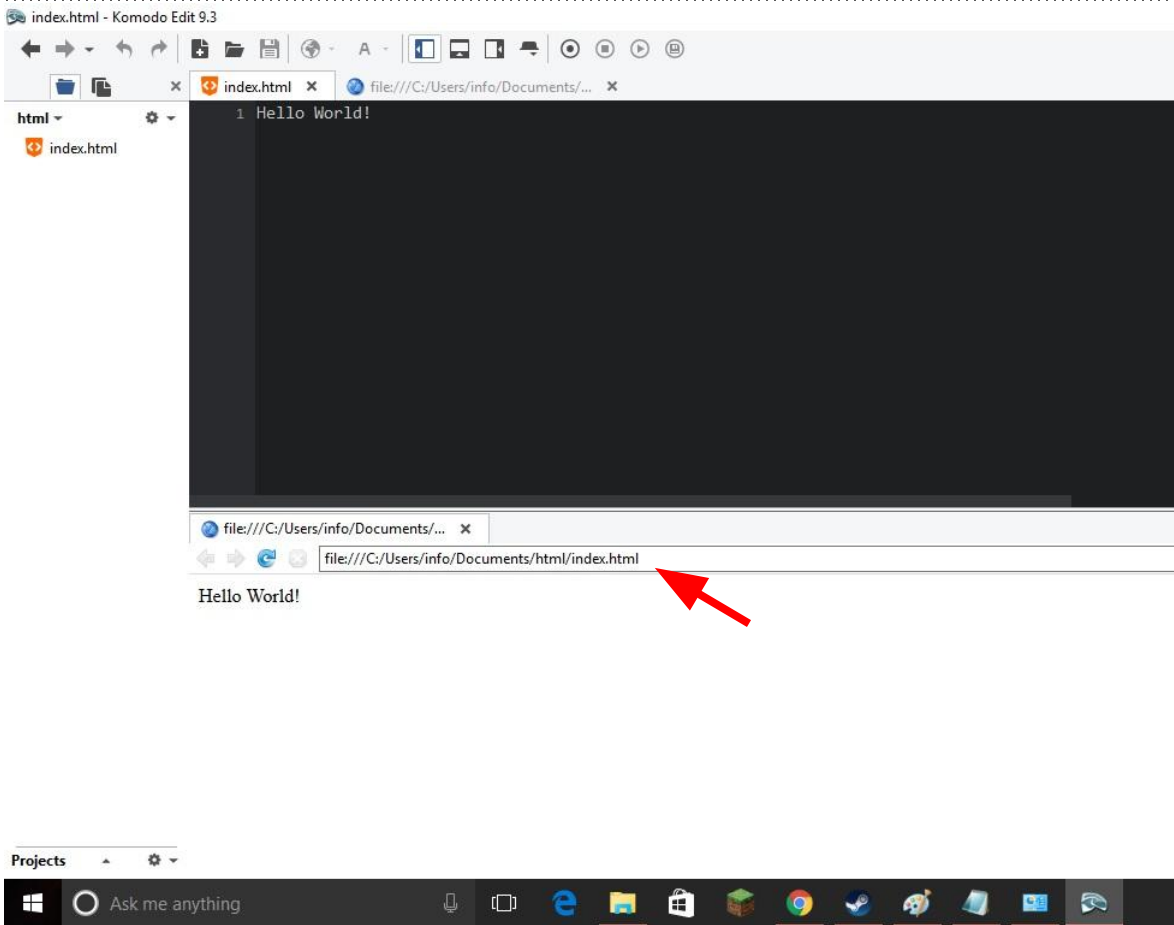
Well done!

You've created your first web page, and you didn't even use any of the tags :)



Well done!

But wait a minute, that's not in my browser? It's because Komodo **integrates the browser** so it's faster to preview changes. To see your page in **full glory**, **copy link address**, open Google chrome web browser, and paste it in your **Chrome's address bar**.



Before we continue...

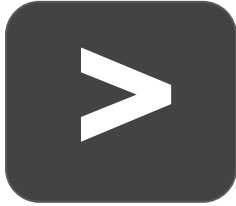
You will need to get used to certain keys of your keyboard that are used frequently in **HTML**



1. Angle bracket
(less than)



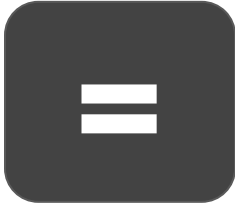
2. Angle bracket
(greater than)



3. Slash (or
Forward slash)



4. Equals



5. Quote



First tag

- Let us now try to make our first tag to make these letters stand out
- Meet the **h1 tag** (heading 1)
- Complete **tag expression** has three parts:
 - **opening tag** **<h1>**
 - content: our text, ie. Hello World!
 - **closing tag** **</h1>**
- opening and closing tag must match,
with closing tag having slash sign **/** before the tag type
- so complete code would be **<h1>Hello World</h1>**



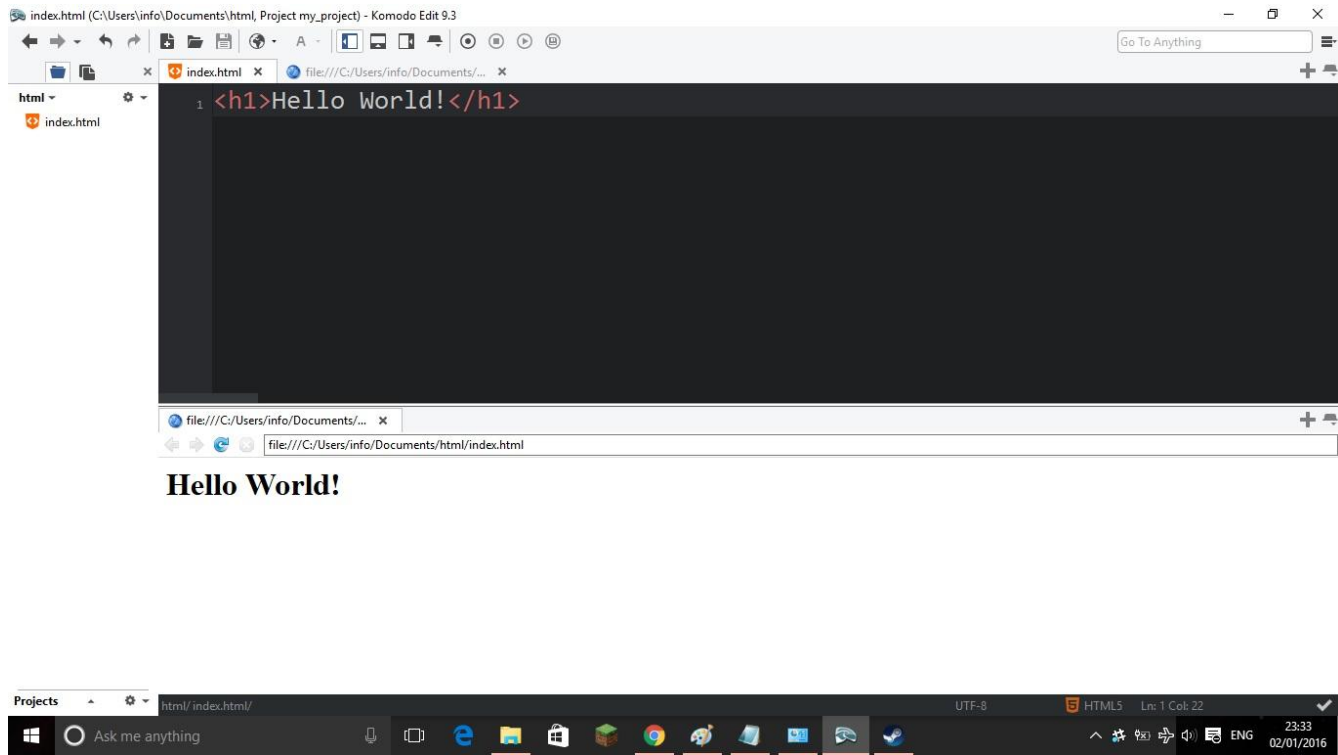
And more things to notice....

- Did you notice, when you typed `<h...` Komodo suggested some of the available tags? That's useful feature called **Code Completion**.
- When you typed in the **opening tag**, it **automatically** created **closing tag** for you. That's cool, but you need then either to **cut and paste** your text inside between the opening and closing tag, or cut and paste closing tag at the end.
- Now hit **ctrl + s**, and preview in your Komodo Edit will be automatically updated.
Whoa! Did your Hello World! text grew in size?



Our Hello World in h1 tag...

- Should look something like this.
- Note: (I've changed Komodo Edit font size, so the actual code is bigger too for visibility)



h1 tags

- Actually they run from 1 to 6, so they are: h1, h2, h3, h4, h5, h6
- Why not test them and practice some markup?
- Type the following and save the file to update our preview:

```
<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>
```

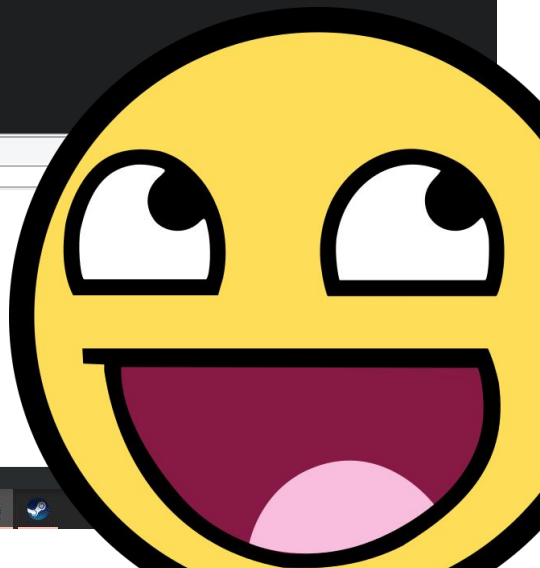
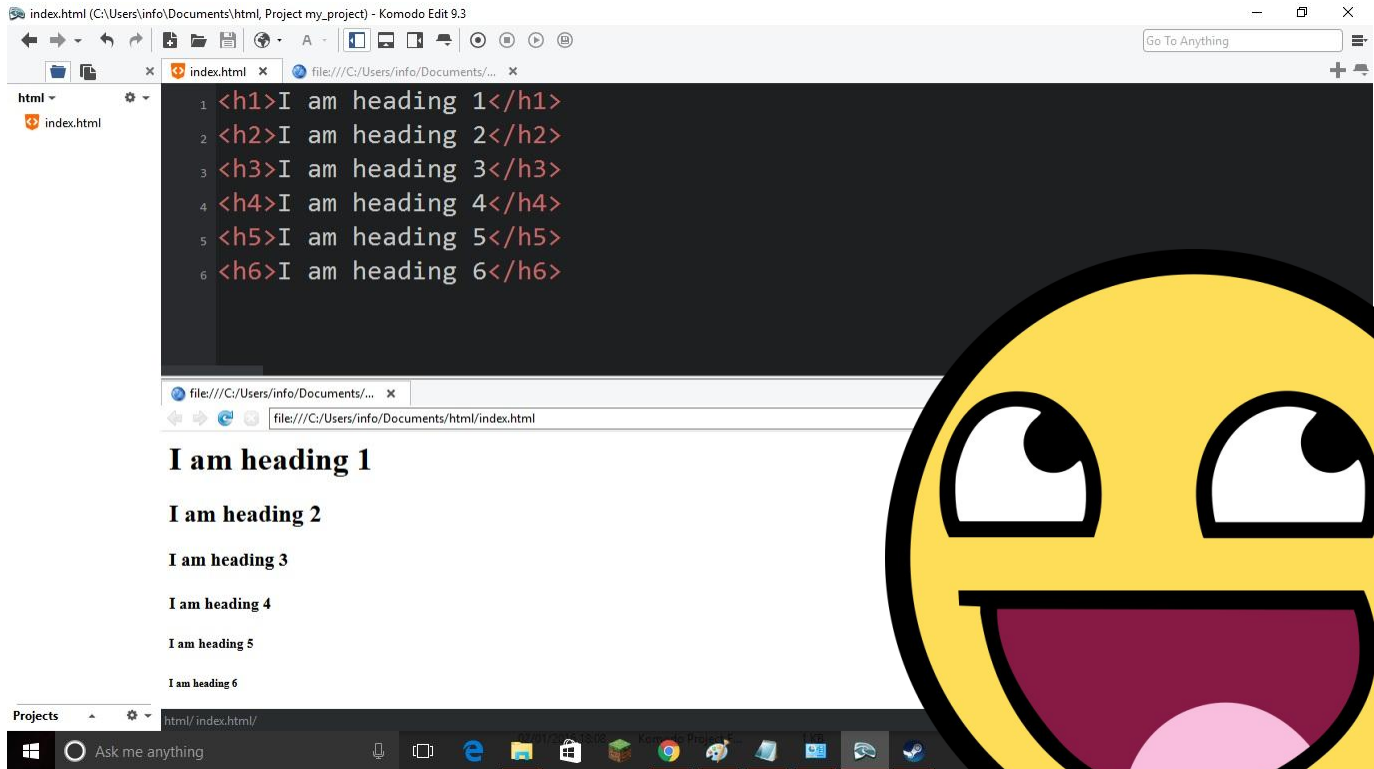
```
<h6>I am heading 6</h6>
```

- You can type any text inside tags content, but **opening and closing tag must match** (with an extra slash for closing tag)!
- If you cannot keep up, try just **h1, h3, and h5**

Default rendering of h1- h6

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

Well done!



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

- `p` stands for a **paragraph**, we use it to define our common text content
- Delete everything and now to enter:

```
<h3>Apple</h3>
```

```
<p>Apple is oval shaped fruit,  
mostly of red and green colour</p>
```

- So basically we created an article, with the title and the text
- Why **h3**? We will probably use **h1** and **h2** for more important things in our web page, like main title, page title etc.

What about two articles?

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

```
<h3>Apple</h3>
```

```
<p>Apple is oval shaped fruit,  
mostly of red and green colour</p>
```

```
<hr>
```

```
<h3>Apple Tree</h3>
```

```
<p>Apple tree is the kind of a tree that  
grows apples</p>
```

- 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

Bold, or rather ``

- Let's make some words in our first article to stand out? We can bold them, rather make them ``. We could use ``, but `` is preferred.

```
<p>Apple is <strong>oval shaped fruit</strong>, mostly of red and green colour</p>
```

- This will work but our line length has increased. Imagine what will happen if we added another `` or more text? Rule of the thumbs is that we should strive not to use more than **80 characters per line**.
- Also something new happened here. Notice how `` tag is inside `<p>` tag? We are dealing with **nesting** here!

Nesting the tags

- It is the common thing in **HTML** that we will end up **tags containing tags**
- For readability **we use spacing (indenting) to mark nested tags**
- It will pay off especially in complex HTML to have nicely indented structure
- We need to follow the **coding practices** so we always use the same system for writing our code, otherwise it will be hard to read
- Komodo Edit implements by default soft tabs - ie **4 spaces (one tab)** for nested elements - we'll use that



Better nesting

So let's implement **spacing and new line** (enter) for nesting our **HTML element** (that's how tags are called when rendered inside browsers). We can go really tidy as per right example, but both will work!

```
<p>Apple is  
    <strong>oval shaped fruit<strong>,  
mostly of red and green colour</p>
```

```
<p>  
    Apple is  
        <strong>oval shaped fruit<strong>,  
        mostly of red and green colour  
</p>
```

That's all for now, folks!

- We learnt how to use **Komodo Edit** to **create** our first web page
- 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**

