

# Introduction to HTML

- ❑ **HTML** stands for **Hyper Text Markup Language**
- ❑ This is the most widely used language to develop web pages.
- ❑ The actual version is HTML 5.
- ❑ Additional to the HTML, today you can use **CSS (Cascading Style Sheets)**.
  - **CSS** to simplify the process of making presentable web pages.



# HTML, CSS, Script files

- ❑ **HTML** (new - XHTML = extended HTML\*)
  - For the content
  - For the structure
- ❑ **CSS for the design** (font, size, colours, borders etc.)
  - use commands with the style attribute in HTML
  - **Better** to have a **separate CSS** file
- ❑ **Script files** like PHP or Java etc.
  - you create special and interactive functions
  - E.g. create a contact form with HTML and CSS,  
but you need a script language to get a mail from the input and react



# Why learn HTML

- ☐ Create Website
- ☐ Become a web designer
- ☐ Understand web
- ☐ Learn other languages
- ☐ Earn money



# Choosing HTML Editor

- ❑ To write or to read an HTML file, you can use any text editor

## **Examples of HTML editor**

- Notepad
- Notepad++ (very good)
- Wordpad

- ❑ or any **specialized HTML editing programs**

- Adobe Dreamweaver
- Microsoft Expression Web
- Visual Studio Code



# Saving HTML file

- ❑ **HTML** file is saved with and html file extension e.g “**Contact us.html**”. Without the html extension the browser will not be able to read the content.
- ❑ **Running any HTML File**  
HTML file is run on a web browser. The browser must be installed on your computer
- ❑ The **web browser** interprets HTML commands to collect, arrange and display the parts of a web page

## Examples of web browser

- Microsoft Internet Explorer
- Google Chrome
- Mozilla Firefox
- Opera Mini
- Safari



# Before starting

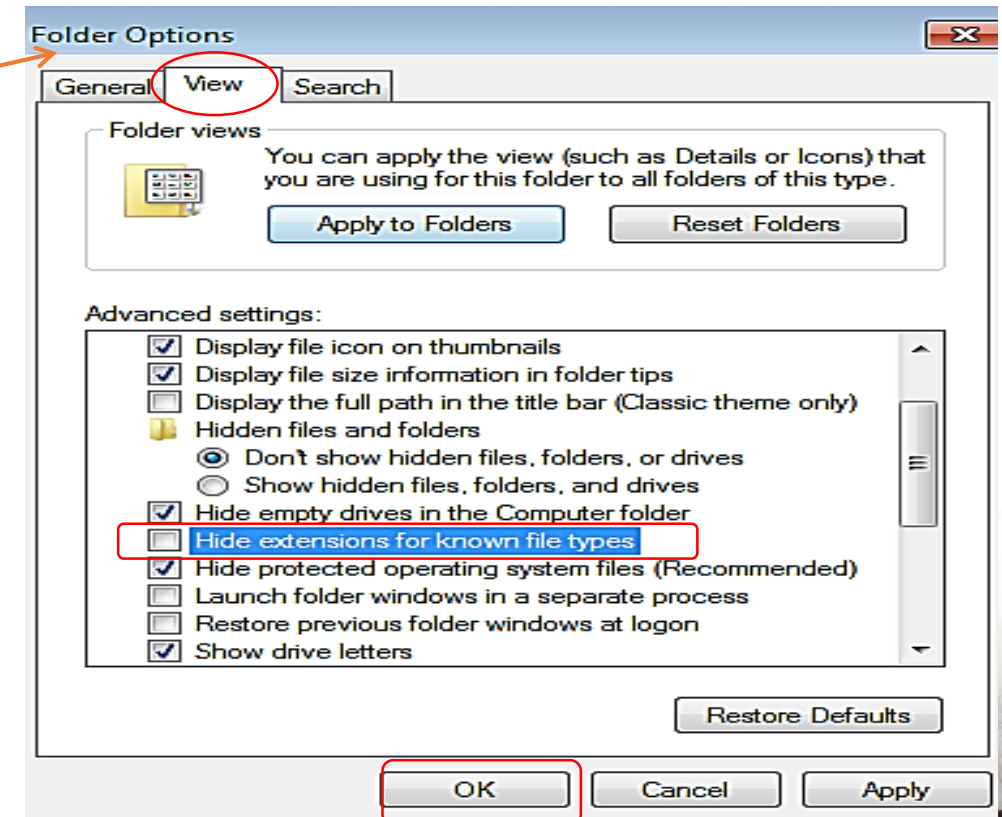
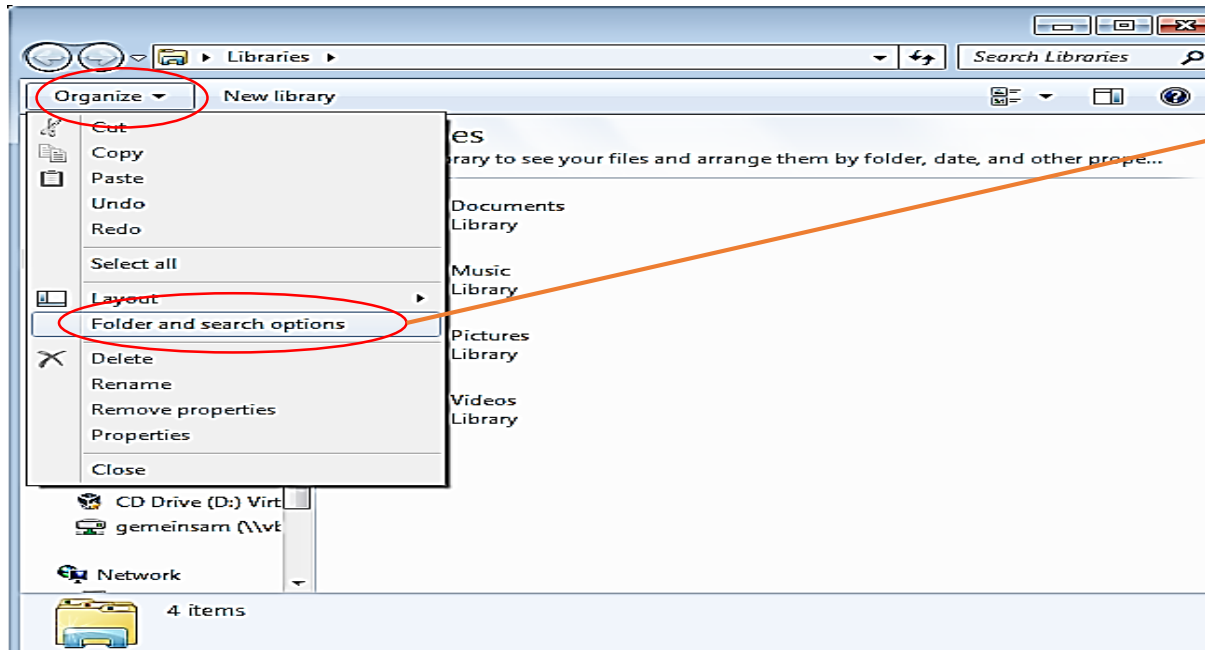
- ❑ You need an editor program to write the HTML code
  - Wordpad or Notepad
  - Or a program like Expression web
  - **DON'T USE WORD**
- ❑ Extensions of files need to be visible
- ❑ A specific folder for the HTML files
- ❑ Be aware it is very important to be exact in the syntax



# Extensions of files

The default setting in **Windows 7 Explorer** does not show you the type of the files – so for example – the ending of a text document is not shown. So here is normally only shown “index” not “index.txt”.

To change the ending from index.txt to index.html , you need to see the extension. Open the **Windows 7 Explorer** and then change this in the settings:



In Windows 10 explorer, you find it under the tab view and the point show / hide



# HTML Tags

- ❑ **HTML tags** are the hidden keywords that define how your web browser must format and display the content
- ❑ HTML tags are used to mark-up/define HTML **elements**
- ❑ HTML tags are surrounded by the **two characters** `<and>`
- ❑ The surrounding characters are called **angle brackets**
- ❑ HTML tags normally **come in pairs** like `<b>` and `</b>`
- ❑ The first tag in a pair is the **start tag**, the second tag is the **end tag**
- ❑ The text between the start and end tags is the **element content**





# Fundamental structure of HTML document

- ❑ **<!DOCTYPE HTML>** This is a document type declaration tag.  
It must appear at the start of the first line of every HTML5 document. There are some more statements necessary that different browsers can work with.
- ❑ **<html>** This tag tells your browser that this is the start of an html document
- ❑ **<head>** this provides descriptive data about the document such as document title.
- ❑ **<title>** This tag is used to uniquely identify documents and is also displayed in the title bar of the browser window
- ❑ **</head>**
- ❑ **<body>** Data content to appear in the browser is added here
- ❑ **</body>**
- ❑ **</html>**



# Creating HTML document

☐ Open Notepad

