COMP2057 Assignment 2
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1. .jpg stands for Joint Photographic Experts Group is a lossy compression based image file type
   .gif stands for Graphical Interchange Format is an animated image file format, second most popular image format on the web
   .png stands for Portable Network Graphics supports lossless compression and is an improved version of .gif for still images
   .psd is an Adobe Photoshop Document file that saves images in layers and is proprietary to Adobe Photoshop
   .pdf is a Portable Document File developed by Adobe in the 90s based in PostScript it creates a fixed-layout flat document
   .mov is a QuickTime media file extension which can be used by almost any normal media player not only quicktime, including even google drive
   .txt is a basic Text file that encodes normal ASCII characters
   .htm/.html is a Hypertext Markup Language file that is designed to be displayed as a web document based off of tags and attributes
   .exe is an Executable file for a Windows based system, a compiled program is stored within this file type
   .java is a Java class file containing java bytecode that can be compiled in a JVM
2. This is because an HTML file is to be displayed on the internet where all systems can access the page, Windows/MacOS/Linux. Windows is a case insensitive system where the dog.jpg or DOG.jpg does not matter but Linux is case sensitive, which would cause serious problems if the web pages were coded to be case insensitive. Using case sensitive nomenclature in file types for HTML is required so all systems can accurately display information, not just some.
3. In Windows, within the control panel then folder options there is a checkbox that is default set to hide file extensions and hidden files/folders, deselecting these options will reveal true file names and hidden file types. In MacOS, going to finder>preferences>advanced there is a toggle option to hide file extensions that is enabled by default.
4. In Adobe Photoshop resizing the image will change the file size. To do this, decrease the ppi (pixels per inch) by going to Image>Image Adjustments then decrease the pixels/inch. Normal web images are displayed at an average resolution of 72ppi, where as high end print quality images average 300ppi.