

Course Name: O Level (1st Sem)

Subject: ITTNB

Topic: Types of File Extensions

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File Extensions:

- File extensions are used to indicate the format of files so operating systems know what to do with them.
- For e.g. Windows file names have two parts; the file's name, then a period followed by the extension (suffix).
- The extension is a three- or four-letter abbreviation that signifies the file type. For example, in letter.docx the filename is letter and the extension is docx.
- Extensions are important because they tell our computer what icon to use for the file, and what application can open the file. For example, the **doc** extension tells our computer that the file is a Microsoft Word file.

Types of File Extensions:

Text Files Extensions:

- .docx : Microsoft Open Word XML Document
- .doc : Microsoft Word Document
- .txt : Plain Text File
- .rtf : Rich Text Format
- .odt : OpenOffice/StarOffice File

Image Files Extensions:

- .bmp : Bitmap Image File:
- .gif : Graphical Interchange Format File
- .jpg : JPEG (Joint Picture Expert Group) Image
- .png : Portable Network Graphic
- .psd : Adobe Photoshop Document
- .thm : Thumbnail Image File
- .tif : Tagged Image File

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Audio Files Extensions:

- .mp3 : MP3 Audio File
- .wav : Wave Audio File
- .aac : MPEG-2 Advanced Audio Coding File
- .wma : Windows Media Audio File
- .m4a : MPEG-4 Audio File

Video Files Extensions:

- .avi : Audio Video Interleave File
- .mp4 : MPEG-4 Video File
- .mov : Video Clip
- .flv : Video File
- .mpg : MPEG 1 System Stream (Moving/ Motion Picture Expert Group)

Data Files Extensions:

- .pdf : Portable Document Format File
- .xls : Excel Spreadsheet File
- .ppt : PowerPoint Presentation
- .mdb : Microsoft Access Database
- .ods : Open Document spreadsheet
- .odp : Open Document presentation
- .sql : Structured Query Language Data File
- .ini : Initialization/Configuration File
- .sys : System File

Compression Files Extensions:

- .zip : ZIP File
- .rar : WinRAR Compressed Archive
- .7z : Compressed File
- .tar : Consolidated Unix File Archive
- .gz : GNU Zipped Archive File

Executable Files Extensions:

- .exe : Windows Executable File
- .msi : Windows Installer File
- .bin : Binary Disc Image

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Web Files Extensions

- .asp : Active Server Page
- .aspx : Active Server Page Extended File
- .cer : Internet Security Certificate
- .css : Cascading Style Sheet
- .htm : Hypertext Markup Language File
- .html : Hypertext Markup Language File
- .js : JavaScript File
- .jsp : Java Server Page
- .php : PHP Source Code File
- .xhtml : Extensible Hypertext Markup Language File

Assignments:

A. What do you understand by 'File Extension'? Why is it necessary for a file.

B. Write short notes on the following file extensions:

- i. .jpg
- ii. .gif
- iii. .png
- iv. .pdf
- v. .mp3
- vi. .mp4
- vii. .avi
- viii. .zip
- ix. .ini
- x. .exe