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Lab 3

2. Do a web search and write a report: What are file attributes. Write a brief report (no more than one and half pages, standard sizes, excluding illustration(s), if any), and upload it in a PDF format (no other formats!) to Canvas.

File attributes are more or less security settings associated with computer files that grant or deny certain rights to how a user or the operating system can access that file. For example, IBM compatible computers running MS-DOS or Microsoft Windows have capabilities of having read, archive, system, and hidden attributes.

In operating systems like Linux, there are three main file attributes. The main attributes are read (designated with r), write (designated with w), execute (designated with x). The read file attribute allows a file to be read, but nothing can be written to or changed in the file. The write file attribute allows a file to be written to and changed. The execute file attribute allows a file to be executed by users or the operating system.

These file attributes are not necessarily static, they can be changed to allow different users different permission on different files. These file attributes help protect files from being altered or used without permission.