**Assignment No 5 [3]**

**Question:** Explain Absolute and Relative Path?

**Solution:**

**Absolute Path:**

An absolute path makes no assumptions about your current location in relation to the location of the file or directory it's describing. An absolute path always begins from the absolute start of your hard drive and describes every step you must take through the file system to end up at the target location.

1. An absolute path specifies the complete location of a file or directory from the root of the file system.
2. It starts with a forward slash `/` (in Unix-like systems, including Linux) or with a drive letter (e.g., `C:\` in Windows).
3. Absolute paths are used when the exact location from the root directory is necessary.
4. Example:

/home/user/Documents/file.txt

**Relative Path:**

Relative paths change depending upon the page the links are on — they are relative to the page that they are one (hence the name). If you link to a page on your own site or an image inside of an images directory on that site, a relative path is what you will likely use. Relative paths do not use the full URL of a page.

1. A relative path specifies the location of a file or directory relative to the current working directory.
2. It does not begin with the root directory or a drive letter.
3. Relative paths are used when referring to files or directories relative to the current working directory.
4. Example:

Documents/file.txt` (Relative to the current directory)