Python basics assignments-9

1. A relative path refers to a location in relation to the current working directory (CWD). It does not include the full path from the root directory.
2. An absolute path starts with the root directory of the file system on your operating system. On Windows systems, the root directory is represented by a backslash (). On Unix-based systems (such as Linux and macOS), the root directory is represented by a forward slash (/).
3. The os.getcwd() function returns the current working directory (CWD) as a string. The os.chdir() function allows you to change the current working directory to a different location.
4. The . and .. folders represent the current directory and the parent directory, respectively. For example, if the CWD is /users/home/documents, then the . folder refers to /users/home/documents, and the .. folder refers to /users/home.
5. In C:\bacon\eggs\spam.txt, "bacon\eggs" is the dir name and "spam.txt" is the base name.
6. The three "mode" arguments that can be passed to the open() function are "r" (read mode), "w" (write mode), and "a" (append mode).
7. If an existing file is opened in write mode, the contents of the file will be deleted and the file will be overwritten.
8. The read() function reads the entire contents of a file and returns it as a single string. The readlines() function reads the entire contents of a file and returns it as a list of strings, where each string represents a line in the file.
9. A shelf value resembles a dictionary. A shelf is a persistent data store that allows you to store and retrieve Python objects. You can use a shelf like a dictionary, with keys and values, but the data is stored in a file on your system rather than in memory.