1. To what does a relative path refer?

A relative path is a link that points to a file location on the page where the link is located. Unlike an absolute path, a relative path does not include the domain name of the website. Instead, it contains just the directory and slug.

2. What does an absolute path start with your operating system?

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 filesystem to end up at the target location

3. What do the functions os.getcwd() and os.chdir() do?

The os.getcwd() function returns the current working directory. The os.chdir() function changes the current working directory.

4. What are the . and .. folders?

The . folder is the current folder, and .. is the parent folder.

5. In C:\bacon\eggs\spam.txt, which part is the dir name, and which part is the base name?

C:\bacon\eggs is the dir name, while spam.txt is the base name.

6. What are the three “mode” arguments that can be passed to the open() function?

The string 'r' for read mode, 'w' for write mode, and 'a' for append mode

7. What happens if an existing file is opened in write mode?

An existing file opened in write mode is erased and completely overwritten.

8. How do you tell the difference between read() and readlines()?

The read() method returns the file's entire contents as a single string value. The readlines() method returns a list of strings, where each string is a line from the file's contents.

9. What data structure does a shelf value resemble?

A shelf value resembles a dictionary value; it has keys and values, along with keys() and values() methods that work similarly to the dictionary methods of the same names.