1. A relative path refers to a file or directory location relative to the current working directory.

2. An absolute path starts with the root folder of the operating system, such as C:\ on Windows or / on Linux and macOS.

3. os.getcwd() returns the current working directory as a string, while os.chdir() changes the current working directory to the specified path.

4. The . folder represents the current directory, while the .. folder represents the parent directory.

5. "C:\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" for reading, "w" for writing, and "a" for appending.

7. If an existing file is opened in write mode, the file's contents are truncated and replaced with the new data.

8. read() returns the entire content of the file as a single string, while readlines() returns a list of strings, each representing a single line from the file.

9. A shelf value in Python resembles a dictionary data structure. It supports the same methods as a dictionary, such as keys(), values(), and items(). However, the keys and values must be strings, and the data is stored in a file rather than in memory.