1. **To what does a relative path refer?**

**Ans.** A relative path refers to a location that is relative to a current directory.

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

**Ans.**An absolute path is a path that contains the entire path to the file or directory that you need to access. This path will begin at the home directory of your computer and will end with the file or directory that you wish to access.

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

**Ans**. Os.getcwd() : This function allows you to see what your current working directory is.

Os.chdir() : This function allows you to set the current working directory to a path of your choice.

1. **What are the . and .. folders?**

**Ans.**The double dot (..) is used to access the parent directory, whereas the single dot (.) represents the current directory.

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

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

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

**Ans.** ‘r’- it opens the file in the read-only mode.

‘w’- this mode is for opening the file in the writing mode.

‘ a’- This mode is used to append the file without truncating it.

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

**Ans**.If a file with the same name already exists, its contents are discarded and the file is treated as a new empty file.

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

**Ans.** read() reads all of the file's contents into a string, readline reads just a single line from the file.

1. **What data structure does a shelf value resemble?**

**Ans.** 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.