

1. To what does a relative path refer?

A relative path refers to the location of a file or directory relative to the current working directory. Relative paths are often used when referring to files or directories within the same project or folder

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

I am working with windows operating system My absolute path start with drive letter colon and backslash

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

`os.getcwd()` : get current working directory command Used to return the present working directory as a string
`os.chdir()` :change directory command Used to change the path of the present working directory by providing the new path to it as argument.

4. What are the `.` and `..` folders?

The `.` folder refers to the current directory or the current location in the file system.

The `..` folder refers to the parent directory or the directory one level above the current directory.

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

dir name: `C:\bacon\eggs` base name: `spam.txt`

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

read mode=`"r"` write mode=`"w"` append mode=`"a"` binary mode=`"b"` read binary=`"rb"` write binary=`"wb"`

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

if we open an existing file is opened in write mode the entire data in that file will be truncated if we want to add any data to the existing file we have to open in append mode.

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

read() will read the file and return the entire file as single string. readlines() will read the file line by line and return the list of lines of the file

9. What data structure does a shelf value resemble?

A shelf value resembles a Dictionary Structure