1. To what does a relative path refer?

Answer:

In Python, a relative path refers to a location beginning from the current working directory (where your Python program operates). This path, using '. ', '..', and '/' symbols, provides an efficient way to interact with files or directories within the working directory or its subdirectories.

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

Answer:

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.

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

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

1. What are the . and .. folders?

Answer: . folder is the current folder, and .. is the parent folder.

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

Answer: C:\bacon\eggs is the dir name, while spam. txt is the base name.23 May 2022

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

Answer: 'r' for read mode, 'w' for write mode, 'a' for append mode

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

Answer: is erased and completely overwritten

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

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

1. What data structure does a shelf value resemble?

Answer: 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.