Assignment - 9

1. To what does a relative path refer?

Ans: As you noticed, paths are relative to the working directory, not the Python file. ../data/input.txt. This means one directory up, then data/input.txt . In the first example: project$ src/python main.py. one directory up brings you outside of the project directory.

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

Ans: he start of the absolute path is the root directory. It is represented as a forward slash ( / ) in Unix-like operating systems or as a drive letter and backslash (e.g., C:\ ) in Windows. Both paths start from the beginning of the drive or root directory and lead up to the file.

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

Ans:

The os. chdir() method changes the current working directory to a specific path. Tip: The current working directory can be printed using the os. getcwd() method.

4. What are the . and .. folders?

Ans: "." **represents current directory where are you with windows explorer/total commander**

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

Ans:

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

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

Ans:

The open() function in Python can take three mode arguments: 'r' for read, 'w' for write and 'a' for append. Each mode is used for a different purpose in file handling

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

Ans:

To open a file in write mode, “w” is specified. When mode “w” is specified, it creates an empty file for output operations. What if the file already exists? If a file with the same name already exists, its contents are discarded and the file is treated as a new empty file

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

Ans:

Readline() reads a single line of text. if the file has multiple lines, you won't get them with one call to this function, only 1 line. read() reads everything if called without arguments, or exact number of letters/bytes if given a length

9. What data structure does a shelf value resemble?

Ans:

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.