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 refers to the complete details needed to locate a file or folder, starting from theroot element and ending with the other subdirectories. Absolute paths are used in websites and operating systems for locating files and folders. An absolute path is also known as an absolute pathname or full path.

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

Ans: getcwd() : CWD stands for Current Working Directory. This function allows you to see what your current working directory is. chdir("path-to-dir") : Short for CHange DIRectory, this function allows you to set the current working directory to a path of your choice.

1. What are the . and .. folders?

Ans: The . is the current directory, while .. signifies the parent 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. Spam.txt is the base name.

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

Ans: r, rb, r+

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

Ans: 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: The main difference is that read() will read the whole file at once and then print out the first characters that take up as many bytes as you specify in the parenthesis versus the readline() that will read and print out only the first characters that take up as many bytes as you specify in the parenthesis.

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.