1. To what does a relative path refer?

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

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

Ans: Absolute paths start with the root directory, such as / or C:

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

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

4. What are the . and .. folders?

Ans: The . is the current folder, and .. is the parent folder.

5. 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: 'r' for read mode, 'w' for write mode, and 'a' for append mode.

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

Ans: The previous contents of an existing file opened in write mode are erased and overwritten.

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

Ans: The read() method returns the file's entire contents as a single string value.

The readlines() method returns a list of strings, where each string is a line from the file's contents.

9. What data structure does a shelf value resemble?

Ans: A shelf value resembles a data structure of dictionary with keys and values.