1. To what does a relative path refer?

ANS:-

A relative path describes the location of a file relative to the current (working) directory

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

ANS:-

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.

3. 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.

4. What are the . and .. folders?

ANS:-

The . is the current directory, while .. signifies the parent directory. It makes things quicker at the command line as well so you don't need to type out full paths.

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:-

open() Parameters

|  |  |
| --- | --- |
| Mode | Description |
| 'r' | Open a file for reading. (default) |
| 'w' | Open a file for writing. Creates a new file if it does not exist or truncates the file if it exists. |
| 'x' | Open a file for exclusive creation. If the file already exists, the operation fails. |

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

ANS:-

 A new file will be created in the same name in our present working directory

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

ANS:-

The 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.

9. 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.