1. To what does a relative path refer?

Solution1:-

The absolute path is helpful, but it can become complex very soon. So, to minimize this complexity, a relative path is used. Relative path means the path of a certain file relative to the current working directory.

For example, if the current working directory is C:\PythonProjects\Tutorials, the path.py file’s relative path would be \Paths\paths.py which is shorter and easier to use than the absolute path C:\PythonProjects\Tutorials\Paths\paths.py.

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

Solution2:-

An absolute path of a file is the complete path from the root directory to that particular file. For example, C:\PythonProjects\Tutorials\Paths\paths.py is the absolute path of paths.py file.

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

Solution3:-

You can get the current working directory of the particular file by os.getcwd() method.

The current working directory can also be changed at runtime using the os.chdir() method.

1. What are the . and .. folders?

Solution4:-

The . 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?

Solution5:-

C:\bacon\eggs is the dir name, while spam.txt is the base name.

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

Solution6:-

The string 'r' for read mode, 'w' for write mode, and 'a' for append mode

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

Solution7:-

An existing file opened in write mode is erased and completely overwritten.

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

Solution8:-

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.

1. What data structure does a shelf value resemble?

Solution9:- 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.