

1. To what does a relative path refer?

Solutions: A relative path points to a location that is relative to a current directory. Relative paths make use of two special symbols, a dot (.) and a double-dot (..) which translate into the current directory and the parent directory.

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

Solutions An absolute path is a path that contains the entire path to the file or directory that you need to access.

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

Solutions: `os.getcwd()` returns the absolute path of current working directory where Python is running as string `str`.

`os.chdir()` method in python used to change the current working directory to specified path. It takes only a single argument as new directory path.

4. What are the `.` and `..` folders?

Solution: `.` is shorthand for "this directory"

`..` is shorthand for "the parent directory"

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

Solutions:- dir name = `C:\bacon\eggs`

- base (or file) name = `spam.txt` .

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- 6. What are the three "mode" arguments that can be passed to the `open()` function?

- Solutions: - `read/readlines`, `write`, and `append`

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

Solutions: It overwrites the existing file and starts from scratch

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

Solutions: The `read()` method passes the entire file as a string

The `readlines()` method provides a list of string values – one string for each line of text.

9. What data structure does a shelf value resemble?

Solutions: Resembles a dictionary