1. **To what does a relative path refer?**

**Ans: A relative path refers to the path of a file or directory relative to the current working directory.**

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

**Ans: An absolute path starts with the root folder of the operating system, such as "C:" in Windows or "/" in Unix-like systems.**

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

**Ans: The os.getcwd() function returns the current working directory, while os.chdir() function changes the current working directory to the provided path.**

1. **What are the . and .. folders?**

**Ans: The "." folder represents the current directory, while the ".." folder represents the parent directory.**

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

**Ans: The directory name is "C:\bacon\eggs" and the base name is "spam.txt".**

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

**Ans: The three mode arguments are "r" (read mode), "w" (write mode), and "a" (append mode).**

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

**Ans: If an existing file is opened in write mode, its contents are truncated, i.e., all existing data is erased before any new data is written.**

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

**Ans: The read() method reads the entire file as a single string, while readlines() method reads the file as a list of strings, where each string represents a single line.**

1. **What data structure does a shelf value resemble?**

**Ans: A shelf value resembles a dictionary, as it stores key-value pairs. However, the keys must be strings, and the values must be picklable objects.**