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

ANS:A relative path refers 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. Double dots are used for moving up in the hierarchy. A single dot represents the current directory itself.

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

**ANS:** An absolute path is a path that contains the entire path to the file or directory that you need to access. This path will begin at the home directory of your computer and will end with the file or directory that you wish to access.

EG: C:\

**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: A dot (.) and a double-dot (..), which translate into the current directory and the parent directory. Double dots are used for moving up in the hierarchy. A single dot represents the current directory itself.

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

ANS: In C:\bacon\eggs\spam. txt, which part is the dir name, and which part is the base name? 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: read/readlines, write, and append .

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

ANS: It overwrites the existing file and starts from scratch

**8. What is the difference between the read() and readlines() methods?**

ANS: - 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?**

ANS:- Resembles a dictionary