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

**Solution:-** It refer to the current working directory.

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

**Solution:-** An absolute path startswith the root folder like- / or C:\ .

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

**Solution:-** The function os.getcwd() returns the current working directory and

The function os.chdir() changes the current working directory.

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

**Solution:-** The . folder is the current folder and the .. is the parent folder.

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

**Solution:-** Here, dir name is C:\bacon\eggs and base name is spam.txt

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

**Solution:-** ‘r’ for read mode , ‘w’ for write mode and ‘a’ for append mode.

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

**Solution:-** The file will erase and completely overwritten.

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

**Solution:-** The read() method returns the file’s entire content as a single string value. Whereas, the readlines() method returns a list of strings where each string is a line from the file’s contents.

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

**Solution:-** A shelf value resembles a dictionary value. It has keys and values along with keys() and values() methods that work similar to the dictionary methods with the same names.