1. To what does a relative path refer?

Ans: Relative path refers to some part of the directory or relative to present working directory it may be parent directory.

Ex: Path : C:\Users\Sample\doc1.txt

Here, relative path to doc1.txt is from Sample directory.(\Sample\doc1.txt)

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

Ans: Root directory.

Ex: \home\ or \opt\users\ in linux OS, where as in windows it starts with C:\

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

Ans: os.getcwd() – gets the current working directory path

os.chdir() – change present working directory to specified directory.

4. What are the . and .. folders?

Ans: ‘.’ represents current working directory

‘..’ represents path from root directory to current parent directory

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

Ans: dir name represents ‘C:\bacon\eggs’ folder and base name represents ‘spam.txt.

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

Ans: r – read mode, w – write mode and a – append mode.

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

Ans: Overwrites the existing file content and write the data.

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

Ans: read() – reads file data as a single string value.

readlines() – reads file data in line by line and store inside a list.

9. What data structure does a shelf value resemble?

Ans: dictionary data structure.