1. To what does a relative path refer?

Ans: A relative path is defined in relation to the current working directory

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

Ans: It starts with the hardrive name like C:

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

Ans: os.getcwd() function returns the current working directory as a string.

os.chdir(x) function changes the current working directory to the specified path x

4. What are the . and .. folders?

Ans: `.` and `..` are special directory references commonly used in file systems. Dot means current directory and double dot means one level above current directory.

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

Ans: Dir name is C:\bacon\eggs and base name is spam.txt(file name)

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

Ans: the three arguments are 'w' , 'r' & 'wr' used for writing the file, reading the file and read and write file respectively.

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

Ans: We can modify the file.

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

Ans:

read(): Returns the entire contents of the file as a single string.

readlines(): Returns a list of strings, where each string represents a line in the file.

9. What data structure does a shelf value resemble?

Ans: