**Solutions:**

1. To what does a relative path refer?

**Ans**: The relative path is the path to some file with respect to your current working directory.

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

**Ans**: In Linux based systems the absolute path starts with **/**. Where as in Windows based systems absolute path starts with **C:**

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

**Ans**: os.getcwd() method tells us the location of current working directory (CWD). Whereas os.chdir() method in Python used to change the current working directory to specified path.

4. What are the . and .. folders?

**Ans**: ‘ . ‘ represents the current folder and ‘ .. ‘ represents the previous folder.

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 the base name is ‘ spam.txt ‘

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

**Ans**: read (r), write (w) and append (a)

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

**Ans**: Using this mode will overwrite any existing content in a file. If the given file does not exist, a new one will be created.

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

**Ans**:

* The main difference is that **read()** will read the whole file at once and then print out the first characters that take up as many bytes as you specify in the parenthesis.

Whereas the **readline()** that will read and print out only the first characters that take up as many bytes as you specify in the parenthesis.

* The **read()** would treat each character in the file separately, meaning that the iteration would happen for every character.
* The **readline()** function, on the other hand, only reads a single line of the file. This means that if the first line of the file were three lines long, the readline() function would only parse (or iterate/operate) on the first line of the file.

9. What data structure does a shelf value resemble?

**Ans**: It contains key and values it represents dictionary.