**Assignment 9 Solution**

Q.1 => To what does a relative path refer?

**Answer :-**

**A relative path refers to a location that is relative to current directory.**

**Relative path make use of two special symbol a dot (.) and double dot (..).**

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

**Answer :-**

**An absolute path is a path that contain 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.**

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

**Answer :-**

**os.getcwd() => This function return the current working directory.**

**os.chdir() => This function allow us to change the directory form one to another.**

Q.4 => What are the . and .. folders?

**Answer :-**

**(.) => represent the current directory.**

**(..) => represent the parent directory.**

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

**Answer :-**

**C:\bacon\eggs\ => directory name**

**Spam.txt => base name.**

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

**Answer :-**

**The string ‘r’ for read mode, ‘w’ for write mode and ‘a’ for append mode.**

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

**Answer :-**

**An existing file opened in write mode is erased and completely overwritten.**

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

**Answer :-**

**The read() method return entire file content as single string value.**

**The readlines() method return list of string.**

Q.9 => What data structure does a shelf value resemble?

**Answer :-**

**A shelf value resemble a dictionary value; it has keys and values , along with keys() and values() method that work similarly to dictionary method.**