1. To what does a relative path refer?

**Ans**. A relative path is refers to a location that is the current directory. A relative path use two special symbol dot(.) and double dot(..) which converts current directory into parent directory.

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

**Ans**. An absolute path refers to the complete detail needed to locate a file or folder starting from the root element and ending with the directory. Absolute path used in website and os to locate file and folders.

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

**Ans**. os.getcwd()- this function allows us to see what your current directory is.

os.chdir() – This function allows us to set the current working directory to path of your choice.

1. What are the . and .. folders?

**Ans**. The . folder is current folder while .. folder signifies parent folder.

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

**Ans**. C:\bacon\eggs is the dir name while spam.txt is the base name.

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

**Ans**. The 3 modes are –

r- opens the file in read only mode.

rb – open the file in read only binary format and starts reading from the beginning of the file.

r+ - opens a file for reading and writing , placing the pointer at the beginning of the file.

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

**Ans**. Its contents are discarded and the file is treated as new empty file.

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

**Ans**. The difference is that read() , reads the whole file once and then prints out the first character that take up as many bytes as you specify in the parenthesis while readline() function reads and print the first character that take up as many bytes as you specify in the parenthesis.

1. What data structure does a shelf value resemble?

**Ans**. A shelf value resembles a directory values, it has key and values. The key and value works as same as the dictionary methods of the same name.