1. To what does a relative path refer?

**Answer: a relative path is a URL that only contains a portion of the full path. Its complete location is based on its relation to the directory where it is linking.**

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

Absolute path has full path , starting from the root folder. In windows if the file is in the C driver, it will start the absolute path from [C:\](../../../../../../../../../../C:/) , means it will always start with the drive

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

**Answer: os.getcwd for showing current working directory**

**os.chdir is to change the directory**

4. What are the . and .. folders?

**Answer: ‘.’ is the current directory and .. is the parent directory**

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

**Answer: C:\bacon\eggs is the directory name and spam.txt is the base name**

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

**Answer: ‘r’ mode : read mode, ‘w’ mode : write mode, ‘a’ mode : append mode**

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.**

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

**Answer: The read() method returns the file's entire contents as a single string value.**

**The readlines() method returns a list of strings, where each string is a line from the file's contents.**

9. What data structure does a shelf value resemble?

**Answer: A shelf value resembles a dictionary value; it has keys and values, along with keys() and values() methods that work similarly to the dictionary methods of the same names.**