1. To what does a relative path refer?

A relative path refer the location of a file relative to the current directory

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

The start with the home directory of the computer.

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

getcwd() : CWD stands for Current Working Directory. This function allows you to see what your current working directory is.
chdir(): chdir() changes the current working directory to the given path.

4. What are the . and .. folders?

The ' . ' directory, also known as the current directory, refers to the directory you are currently working in.
The ' .. ' directory, also known as the parent directory, refers to the directory that contains the current directory.

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

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

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

' r '-read mode
' w '- write mode
' a '- append mode

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

In write mode the existing contents of the file will be truncated, which means they will be erased and replaced with the new data that you write to the file.

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

The difference between read() and readlines() is that read() returns the entire contents of the file as a single string, while readlines() returns the entire contents of the file as a list of strings, where each string represents a single line of the file.

9. What data structure does a shelf value resemble?

It resembles like a dictionary