**Solutions:**

1. To what does a relative path refer?

Ans: A relative path refers to a location that is relative to a current directory

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

Ans: This path will begin at the home directory of my computer.

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

Ans: os.getcwd() 🡪 This function allows you to see what your current working directory

os.chdir() 🡪  this function allows you to set the current working directory to a path of your choice.

4. What are the . and .. folders?

Ans: The .. shortcut allows you to refer to the parent of a directory with directory/.., its grandparent using directory/../.. and so on

The . shortcut allows you to explicitly refer to the current directory, in cases where an application requires you to specify a directory (or directories) to search in and you want to search in the current directory.

5. 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.

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

Ans: The string 'r' for read mode, 'w' for write mode, and 'a' for append mode

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

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

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

Ans: 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?

Ans: 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.