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

2. An absolute path refers to the complete details needed to locate a file or folder, starting from the root element and ending with the other subdirectories

3. os.getcwd() - present working directory

os.chdir() - change the directory

4. The . is the current directory, while .. signifies the parent directory.

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

6. r - open for reading (by default)

w - open the file for writing,truncating the file first

x - create a new file and open it for writing

a - open for writing , appending to the end of the file if it exists

b - binary mode

t - text mode (by default)

+ - open a file in both read and write mode

7. Its contents are discarded and the file is treated as a new empty file.

8. read() reads all of the file's contents into a string, readline reads just a single line from the file

9. 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.