**ASSIGNMENT 9**

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***Question 1. To what does a relative path refer?**

**Answer 1:**

Relative Path is a path or location relative to Current Directory. Relative path uses two symbols.

1. (.) for current directory
2. (..) for parent directory

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

**Answer 2:**

An absolute path is defined as the specifying the location of a file or directory from the root directory(/). It Start at the root directory ( / ) and work down.Write a slash ( / ) after every directory name (last one is optional)

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

**Answer 3:**

1. os.getcwd() : returns the current working directory
2. os.chdir(): changes the current working directory

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***Question 4. What are the . and .. folders?**

**Answer 4:**

1. (.) for current directory
2. (..) for parent directory

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

**Answer 5:**

In this case

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

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

**Answer 6 :**

Three Modes:

1. ‘ r ‘ mode : Read Mode allows reading file
2. ‘ w ‘ mode : Write Mode allows writing file
3. ‘ a ‘ mode : Append Mode allows change or appending in existing file

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

**Answer 7:**

In Write Mode, existing file will be overwritten as well as deleted

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

**Answer 8 :**

| read() | readlines() |
| --- | --- |
| 1. This method will read one line in a file. | 1. This method will read the entire content of the file at a time. |
| 1. A new line character is left at the string end and is ignored for the last line provided the file does not finish in a new line. | 2. This method reads all the file content and stores it in the list. |
| 1. This method reads up to the end of the line with readline() and returns a list. | 3. This method reads up to the end of the line with readline () and returns a list. |
|  |  |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***Question 9. What data structure does a shelf value resemble?**

**Answer 9:**

Shelf value is like dictionary value. Shelve has keys and values like dictionary, hence keys and values method is exactly same as dictionary keys and values

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