**ASSIGNMENT 9 PYTHON**

1. To what does a relative path refer?

**Ans: Relative path in python means a path that describes a location of a directory relative to the entry point.**

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

**Ans: An absolute path is defined as specifying the location in relation to the location of the file it’s describing.**

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

**Ans: os.chdir() is used to change the current directory to a specified path, while os.getcwd() tells us the current working directory.**

4. What are the . and .. folders?

**Ans: Single dot(.) folder means the module and package are in the same directory as the current location, while double dots(..) shows that the module and package are in the parent directory of the current location.**

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 three “mode” arguments that can be passed to the open() function are:**

**‘w’ for write, ‘r’ for read and ‘a’ for append mode.**

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

**Ans: If an existing file is opened in write mode then it will be completely erased and completely overwritten.**

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

**Ans: read() reads the entire line and returns a string, while readlines() reads only one line from the file.**

9. What data structure does a shelf value resemble?

**Ans: A shelf value resembles a directory value.**