1. To what does a relative path refer?

**Ans: Relative path refer to the path starting from the current working directory where the python code is running.**

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

**Ans: C:/ for my windows laptop.**

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

**Ans: os.getcwd() tells the location of current working directory and os.chdir() is used to change the current working directory to the specified path.**

4. What are the . and .. folders?

**Ans: . folder represents current folder and .. folder represents parent folder.**

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 dir name and “spam.txt” is base name.**

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

**Ans: Following mode arguments can be used for open() function:**

**‘r’: open for reading**

**‘w’: open for writing**

**‘x’ open for exclusive creation**

**‘a’: open for writing (appending at end)**

**‘b’: binary mode**

**‘t’: text mode**

**‘+’: open for updating (reading and writing)**

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

**Ans: The data in existing file is overwritten with new data.**

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

**Ans: read() reads the complete file and returns as a string whereas readlines() reads the complete file and returns a list of strings where each element is a line.**

9. What data structure does a shelf value resemble?

**Ans: Dictionary**