Assignment-13

Answers

1)

* Excel spreadsheets are used when large data sets are to be organized which allows to read, select, move ,copy, paste and edit unlike CSV files there will be no option in it.
* Excel spreadsheets proved supports for adding charts and files to the existing files whereas csv files have plane text representation.
* VBA ( Visual basic application ) coding language can be done by XLS files which is not compatible with CSV files, This programming language allows the excel files to perform mathematical functions.
* Excel files will allow the user for external linking of the data for the real-time collaboration with the other sources and user can also do the custom add-ins. We can edit excel sheet via Microsoft one drive as an example.
* Excel files allows the user to do all types of data manipulation and related data analysis.
* Excel sheets can be password protected unlike the csv files which can’t be password protected.

2)

The csv files should be opened with the python built-in OPEN() function which returns the file object and then it is passed to the csv\_reader() and csv\_writer() to create reader and writer objects respectively.

3)

The mode used for doing operations like <r> is used by file objects for reading and <w> is used by file objects for writing.

4)

We should use csv. Writer() as a function is used to create the writer objects and writer.writerrow() function can be to create the write single rows in the csv file.

5)

Delimiter is a character a character which generally appears in a row for a csv file. The delimiter for a csv file is a comma. The line terminator used in python comes on the end of the row so by default moves to the new line.

6 )

**decode(o)**  function is used in the JSON which takes the JSON string data and return into Python data structure.

7)

If the data is in Python data structure, then to convert the python data structure into a JSON string is done by using the json.dumps() method.