**1.What advantages do Excel spreadsheets have over CSV spreadsheets?**

* Excel can [perform VBA Coding](https://www.educba.com/vba-function/), functions, formulas and create summaries easily when compared to CSV.
* Reading large data set is much easier for the end-user to read, comprehend and understand when compared to CSV.
* Excel also provides the user option for external linking of data from other sources, and also, the user can do custom add-ins.

**2. What do you pass to csv.reader() and csv.writer() to create reader and writer objects?**

* The reader class from the module is used for reading data from a CSV file. At first, the CSV file is opened using the open() method in ‘r’ mode(specifies read mode while opening a file) which returns the file object then it is read by using the reader() method of CSV module that returns the reader object that iterates throughout the lines in the specified CSV document
* csv.writer class is used to insert data to the CSV file. This class returns a writer object which is responsible for converting the user’s data into a delimited string.

**3. What modes do File objects for reader and writer objects need to be opened in?**

|  |  |  |
| --- | --- | --- |
| ‘r’ |  | Open a file for reading. (default) |
| ‘w’ |  | Open a file for writing. Creates a new file if it does not exist or truncates the file if it exists. |
| ‘x’ |  | Open a file for exclusive creation. If the file already exists, the operation fails. |
| ‘a’ |  | Open for appending at the end of the file without truncating it. Creates a new file if it does not exist. |
| ‘t’ |  | Open in text mode. (default) |
| ‘b’ |  | Open in binary mode. |
| ‘+’ |  | Open a file for updating (reading and writing) |

**4.What method takes a list argument and writes it to a CSV file?**

csv. writer writerow method takes an iterable as an argument. Your result set has to be a list (rows) of lists (columns). Write the row parameter to the writer's file object, formatted according to the current dialect.

**5.What do the keyword arguments delimiter and line terminator do?**

The line terminator is the character that comes at the end of a row. By default, the line terminator is a newline. You can change characters to different values by using the delimiter and lineterminator keyword arguments with csv. writer()

**6.What function takes a string of JSON data and returns a Python data structure?**

loads() method return Python data structure of JSON string or data

**7.What function takes a Python data structure and returns a string of JSON data?**

Loads()