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

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| **Excel** | **CSV** |
| Excel can perform VBA Coding, functions, formulas, and create summaries easily when compared to CSV. | CSV cannot perform VBA Coding, functions, formulas, and create summaries easily when compared to Excel. |

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

ANS Basic Usage of csv.  
  
The reader function converts each line of a specified file into a list of columns. Then the Python's built-in open() function, which returns a file object, is used to open the CSV file as a text file. This is then passed on to the reader, who does all of the heavy liftings.

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

ANS open(file, [mode='r']) -> fileObj: Open the file and return a file object. The available modes are: 'r' (read-only) (default), 'w' (write - erase all contents for existing file), 'a' (append), 'r+' (read and write). You can also use 'rb' , 'wb' , 'ab' , 'rb+' for binary mode (raw-byte) operations.

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

ANS The most common method to write data from a list to CSV file is the writerow() method of writer and DictWriter class.

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

ANS 5. The delimiter and lineterminator Keyword ArgumentsThis changes the delimiter and line terminator characters in your file. The delimiter is the character that appears between cells on a row. By default, the delimiter for a CSV file is a comma. The line terminator is the character that comes at the end of a row.

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

ANS If you have a JSON string, you can parse it by using the json.loads() method. The result will be a Python dictionary.

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

ANS dumps() function. It takes the Python object as input and returns a JSON string. Decoding (Deserializing) JSON: If you have a JSON string and want to convert it to a Python object, you can use the json. loads() function.

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