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

Answer:

* Excel spreadsheets are binary files that holds information about all worksheet in a workbook where CSV is a plain text file with values separated by comma.
* Excel is easier for the end user to read and understand whereas CSV might look complex.
* Formulas can be used in Excel whereas it cannot be used in CSV.
* Excel has more features like Charts, Tables, Pivot Tables, graphics, images, links etc but CSV can store only text data.
* CSV is used only to store data, but Excel can not only store but also perform operations on those data.
* Excel supports different types of data like Date, Currency, Numbers, etc, whereas CSV supports only Text data.
* Excel can be integrated with external systems using plugins whereas CSV cannot.

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

Answer:

We have to pass the **file object returned from the open()** method used to open the CSV file

For example,

import csv

with open(‘sample.csv’) as csvFile:

csvReadObj = csv.reader(csvFile)

csvWriterObj = csv.writer(csvFile)

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

Answer:

For reader the file object must be opened in read mode (**‘r’**)

For writer the file object must be opened in write mode (**‘w’**)

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

Answer:

The **writerow()** method takes a list of arguments and writes it to a CSV file

For example,

writerObj.writerow([‘One’, ‘Two’, ‘Three’])

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

Answer:

Delimited – is used to separate fields and its default value is comma ‘**,**’.

Line Terminator – is used to terminate lines produced by the writer and consider that as end-of-line and its default value is ‘**\r\n**’

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

Answer:

The method **json.loads()** is used to convert a JSON string to a Python data structure.

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

Answer:

The method **json.dumps()** is used to convert a Python data structure to a JSON string.

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