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

Ans1

Excel spreadsheets have some advantages over CSV spreadsheets

Formatting: Excel allows you to format your data in a more visually appealing way than CSV.

Functionality: Excel has a wide range of built-in functions and formulas that allow you to perform complex calculations and analysis on your data.

Data Validation: Excel allows you to set up data validation rules to ensure that the data in each cell meets specific criteria.

Charts and Graphs: Excel has a range of chart and graph options that allow you to visually represent your data in various formats such as pie charts, line graphs, and bar graphs.

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

Ans2

import csv

with open('example.csv', 'r') as file:

csv\_reader = csv.reader(file)

for row in csv\_reader:

print(row)

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

Ans3

import csv

with open('example.csv', 'r') as file:

csv\_reader = csv.reader(file)

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

Ans4

The csv.writer object in Python provides a writerow() method to write a row of data to a CSV file. The writerow() method takes a list as its argument and writes the elements of the list as a single row in the CSV file.

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

Ans5

The delimiter argument specifies the character that separates the values in each row of the CSV file. By default, this value is a comma (,) a tab (\t) or a semicolon (;).

The lineterminator argument specifies the character that separates each row in the CSV file. By default, this value is a newline character (\n) arriage return (\r) or a combination of both (\r\n).

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

Ans6

json.loads() function can be used to convert a string of JSON data into a Python data structure

import json

json\_string = '{"name": "John", "age": 35, "city": "New York"}'

data = json.loads(json\_string)

print(data)

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

Ans7

json.dumps() function can be used to convert a Python data structure into a string of JSON data.

import json

data = {"name": "John", "age": 35, "city": "New York"}

json\_string = json.dumps(data)

print(json\_string)