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

Ans:

a. It is a plain text format with a series of values separated by commas.

b. Consumes less memory

c. Can be opened in simple text editor.

d. Major use in data analysis and visualization.

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

Ans: both accepts file object and delimiter to read and write into a file.

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

Ans: read ‘r’ and write ‘w’ modes.

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

Ans: writerow() method.

**Ex:**

import csv

data = [['Name', 'Age', 'Gender'],

['John', 25, 'Male'],

['Jane', 30, 'Female'],

['Bob', 35, 'Male']]

with open('example.csv', 'w', newline='') as file:

writer = csv.writer(file)

for row in data:

writer.writerow(row)

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

Ans:

The delimiter argument specifies the character to be used as the field delimiter in the output CSV file. While the lineterminator argument specifies the character(s) to be used as the line terminator in the output CSV file.

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

Ans: Need to use json module and for converting string of json data need to use, json.loads() method. After convertion, it returns dictionary data structure.

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

Ans: Need to use json module and for converting into string of json data, need to use, json.dumps() method. After convertion, it returns string of JSON data.