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

**Ans:** Excel is more superior when compared with the CSV file format; thus, CSV consumes less amount of file size when the user is importing data; it is a much faster format compared to excel. CSV does not manipulate data and stores it as-is. Excel also allows the user the add-in feature.

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

**Ans:** We calls open() function and pass it to csv.reader() and csv.writer() to create reader and writer objects.

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

**Ans:** **r:** Opens a file for reading only

**r+:** Opens a file for both reading and writing

**w:** Opens a file for writing only

**w+:** Open a file for writing and reading.

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

**Ans:** We can convert a list to CSV in python easily by importing an in-built CSV module in python. In this method, we use file handling in python to read the data of a list and then write it into a CSV file.

Let's take an example to understand this better.

**Code:**

import csv

# Define the fields that will be used as column headers in the CSV file

fields = ['Employee', 'ID', 'Salary']

# Create a list of rows, where each row is a list of values that will be written to the CSV file

rows = [

['XYZ', '011', '2000'],

['ABC', '012', '8000'],

['PQR', '351', '5000'],

['EFG', '146', '10000']

]

# Open a file called 'EmployeeData.csv' in write mode ('w') and use it as a context manager

# The 'with' statement ensures that the file is automatically closed when the block of code is finished

with open('EmployeeData.csv', 'w') as f:

# Create a CSV writer object that will write to the file 'f'

csv\_writer = csv.writer(f)

# Write the field names (column headers) to the first row of the CSV file

csv\_writer.writerow(fields)

# Write all of the rows of data to the CSV file

csv\_writer.writerows(rows)

**Output:**

| Employee | ID | Salary |

| -------- | -------- | -------- |

| XYZ | 011 | 2000 |

| ABC | 012 | 8000 |

| PQR | 351 | 5000 |

| EFG | 146 | 10000 |

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

**Ans:** Passing delimeter='\t' and lineterminator='\n\n' changes the character between cells to a tab and the character between rows to two newlines.

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

**Ans:** We use the json.loads() method to parse a JSON string and return a Python object such as a dictionary. The json.loads() method takes the file contents as a string.

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

**Ans:** The json.dumps() can be used for converting a Python object into a JSON string.