**1. What advantages do Excel spreadsheets have over CSV spreadsheets?**
Ans:- Excel spreadsheets have several advantages over CSV spreadsheets:

- Excel files can store large amounts of data and are compatible with other spreadsheet software1.
- Excel provides options for formulas, charts, graphics, etc., making data more presentable23.
- Excel files allow for the inclusion of formatting, formulas, and other features1.
- Excel also provides the user option for external linking of data from other sources and custom add-ins2.
- Excel is easier for the end user to read large files2.
- CSV files are plain text documents and are simpler than Excel files

**2.What do you pass to csv.reader() and csv.writer() to create reader and writer objects?**
Ans:- To create reader and writer objects, you pass a file object to csv.reader() and csv.writer()

**3. What modes do File objects for reader and writer objects need to be opened in?**
Ans:- File objects for reader and writer objects need to be opened in different modes depending on the operation:

- 'r' or 'rb' for reading.
- 'w' or 'wb' for writing.
- 'a' or 'ab' for appending.
- 'r+', 'w+', 'a+', 'rb+', 'wb+', or 'ab+' for both reading and writing9

**4. What method takes a list argument and writes it to a CSV file?**
Ans:- The method that takes a list argument and writes it to a CSV file is writerow() for a single row or writerows() for multiple rows.

**5. What do the keyword arguments delimiter and line terminator do?**
Ans:- The keyword arguments delimiter and line terminator in CSV module have specific roles:

- The delimiter is a character that separates values in the CSV file.
- The line terminator is a string used to terminate lines produced by the writer. It defaults to '\r\n'. Note that the reader is hard-coded to recognize either '\r' or '\n' as end-of-line, and ignores lineterminator

**6. What function takes a string of JSON data and returns a Python data structure?**
Ans:- The function that takes a string of JSON data and returns a Python data structure is json.loads()

**7. What function takes a Python data structure and returns a string of JSON data?**
Ans:- The function that takes a Python data structure and returns a string of JSON data is json.dumps()