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

ANS:

* CSV file can’t perform operations on data, while Excel can perform operations on the data.
* Reading large data set is much easier for the end-user to read, comprehend and understand when compared to CSV.
* Excel also provides the user option for external linking of data from other sources, and also, the user can do custom add-ins

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

ANS: First, call open() and pass it 'w' to open a file in write mode . This will create the object you can then pass to csv.writer() to create a Writer object.

Call open() and pass the file name to be read.It will create an object and then pass that to csv.reader to create reader object.

EG : with open('employee\_birthday.txt') as csv\_file:

csv\_reader = csv.reader(csv\_file, delimiter=',')

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

**ANS:**For reader objects , file is opened in read or ‘r’ mode and for writer objects , file is opened in write or ‘w’ mode.

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

ANS: writerows() function takes a list of iterables as parameter and writes each item as a comma separated line of items in the file.

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

**ANS:** This changes the delimiter and line terminator characters in your file. The delimiter is the character that appears between cells on a row. By default, the delimiter for a CSV file is a comma. The line terminator is the character that comes at the end of a row

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

ANS: 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:** If you have a Python object, you can convert it into a JSON string by using the json.dumps() method.