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

Sol: Formatting: Excel allows users to format cells, rows, and columns which can make data easier to read and interpret.

Data Validation: Excel offers data validation tools to ensure that data is entered correctly.

Formulas and functions: Excel has a vast library of built in functions and formulas.

Charts and Graphs: Excel has powerful charting and graphing capabilities that allow users to visualize their data and present it in a meaningful way.

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

Sol: To create a reader object we pass a file object and optionally a delimiter character as arguments to the csv.reader() function.

To create a writer object we pass a file object and optionally a delimiter character and other formatting as arguments to the csv.writer() function.

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

Sol: when reading a csv file using csv.reader() the file object needs to be opened in read mode.

When writing to csv file using csv.writer() the file object needs to be opened in write mode.

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

Sol: in python, you can use the built-in ‘csv’ module to write a list to csv file.

Writer = csv.writer(csv\_file)

Writer.writerow(item)

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

Sol: the delimiter argument specifies the character that should be used to separate fields within a row in the csv file.

The ‘lineterminator’ argument specifies the character that should be used to terminate each row in the csv file.

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

Sol: the ‘json.loads()’ function takes a json string as an argument and returns a python data structure.

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

Sol: the ‘json.dumps()’ function takes a python object as an argument and returns a json string.