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

**Answer: Excel sheet can have more sheet and each sheet shall have different formats. Very easy to visualise and we can make chart and graph in excel.**

**CSV is plain text format and it contain any one type of file.**

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

**Answer: In csv reader we pass a file and the delimiter**

**import csv**

**with open('people.csv', 'r') as file:**

**reader = csv.reader(file)**

**for row in reader:**

**print(row)**

**In csv.writer() we will pass a file objc**

**import csv**

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

**writer = csv.writer(file)**

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

**Answer: 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.**

**a: Opens a file for appending**

**a+: Opens a file for both appending and reading**

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

**Writer.writerow([])**

**import csv**

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

**writer = csv.writer(file)**

**writer.writerow(["SN", "Movie", "Protagonist"])**

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

**Answer: deliminitor is a one character string used to separte fieds. It default to ‘,’. line terminatory is the string used to terminate lines produced by the writer. It defaults to ‘r\n’**

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

**Answer: json.loads(json\_string)**

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

**Answer: json.dumps(b)**