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

Ans:

Reading large data set is much easier for the end-user to read, comprehend and understand when compared to CSV.

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

Ans:

For csv reader we can pass the Filename ,Delimiter and many more parameters The other optional fmtparams keyword arguments can be given to override individual formatting parameters in the current dialect.fmt parameters means formatting parameters

import csv

with open('bank.csv', newline='') as csvfile:

spamreader = csv.reader(csvfile, delimiter=';')

for row in spamreader:

print(', '.join(row))

For csv writer :

Here also we pass the file name and aother formatting parametesr

import csv

with open('bank.csv', 'w', newline='') as csvfile:

spamwriter = csv.writer(csvfile, delimiter=';',

)

spamwriter.writerow(['Spam'] \* 5 + ['Baked Beans'])

spamwriter.writerow(['Spam', 'Lovely Spam', 'Wonderful Spam'])

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

For csv.reader(iterable\_file\_object), the file objects needed to be opened in read mode mode='r' Whereas for csv.writer(iterable\_file\_object) the file objects needed to be opened in write mode mode='w'

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

csv.writer class provides two methods for writing to CSV. They are writerow() and writerows(). writerow() method writes a single row at a time. Whereas writerows() method is used to write multiple rows at a time.

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

Line terminator is to check for end of the line .Where as delimiter is ude to separate the data in the line.We use them when we want to read or write the data into the files

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

loads**()** method return Python data structure of JSON string or data.

import json

my\_details\_json ='''{

"Name": "Krishna",

"Qualification": "Btech ",

"Stream": "ECE"

}'''

print(my\_details\_json)

print(f'Type of my\_details\_json is {type(my\_details\_json)}')

my\_details = json.loads(my\_details\_json)

print(my\_details)

print(f'Type of my\_details is {type(my\_details)}')

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

dumps() method takes a python data structure and returns a string of JSON data

import json

#First i will craete a dicitonary

my\_details = {

'Name':'Krishna',

'Stream':'ECE',

'Qualification':'BETCH'

}

print(my\_details)

print(f'Type of my\_details is {type(my\_details)}')

my\_details\_json = json.dumps(my\_details, indent=4)

print(my\_details\_json)

print(f'Type of my\_details\_json is {type(my\_details\_json)}')