# PYTHON BASIC

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# Assignment_13

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

Sol:

1. **In CSV values are comma-separated , the data is in text format separated by commas.While in Excel or xls. information is in tabular form in rows and columns.**
2. **Moreover, the CSV file extension has no formatting in data. Whereas in Excel, we can format the data as per our requirement.**

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

Sol:

```
import csv
exampleFile = open('example.csv','r')
exampleReader = csv.reader(exampleFile)
exampleData = list(exampleReader)
exampleData



import csv
outputFile = open('output.csv', 'w', newline='')
outputWriter = csv.writer(outputFile)
outputWriter.writerow(['spam', 'eggs', 'bacon', 'ham'])
outputWriter.writerow(['Hello, world!', 'eggs', 'bacon', 'ham'])
outputWriter.writerow([1, 2, 3.141592, 4])
 outputFile.close()
```

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

Sol:**file object:This will return a Reader object for us to use.**
**A Writer object lets you write data to a CSV file. To create a Writer object, you use the csv.writer() function.**

4. What method takes a list argument and writes it to a CSV file?
Sol:
**The writerow() method for Writer objects takes a list argument. Each value in the list is placed in its own cell in the output CSV file.**

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

**Sol:We can change characters to different values by using the delimiter and line terminator keyword arguments with csv.writer().**

**It 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. By default, the line terminator is a newline.**

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

Sol: **json.loads() to convert the JSON data to a Python data structure.**

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

**Sol: call loads() and pass it a string of JSON data.**

**JSON strings always use double quotes. It will return that data as a Python dictionary. Python dictionaries are not ordered, so the key-value pairs may appear in a different order when you print jsonDataAsPythonValue.**