**ASSIGNMENT DATE-19-12-2023**

**What is a CSV?**

CSV stands for “Comma Separated Values.” It is the simplest form of storing data in tabular form as plain text. It is important to know to work with CSV because we mostly rely on CSV data in our day-to-day lives as data scientists.

**List of Methods to Read a CSV File in Python**

* Read CSV file using csv.reader
* Read CSV file using .readlines() function
* Read CSV file using Pandas
* Read CSV file using csv.DictReader

**Steps to Read CSV Files in python Using csv.reader**

1. **Import the CSV library**

Import csv

1. **Open the CSV file**

The .**open()** method in python is used to open files and return a file object.  
  
file=open('Salary\_Data.csv')  
type(file)

1. **Use the csv.reader object to read the CSV file**

csvreader = csv.reader(file)

1. **Close the file**

**.close()** method is used to close the opened file. Once it is closed, we cannot perform any operations on it.  
  
file.close()

**PANDAS**

You can use the pandas library for this which has an inbuilt method to convert values to a list. Pandas.values property is used to get a numpy.array and then use the tolist() function to convert that array to list.

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| # app.py    **import** pandas as pd    # Creating Dictionary  dict **=** {      'series': ['Friends', 'Money Heist', 'Marvel'],      'episodes': [200, 50, 45],      'actors': [' David Crane', 'Alvaro', 'Stan Lee']  }    # Creating Dataframe  df **=** pd.DataFrame(dict)  print(df) |

**Output:**

