## Practical Concepts: PART - 3

Q-1 How to install pandas, numpy and matplotlib packages in python?

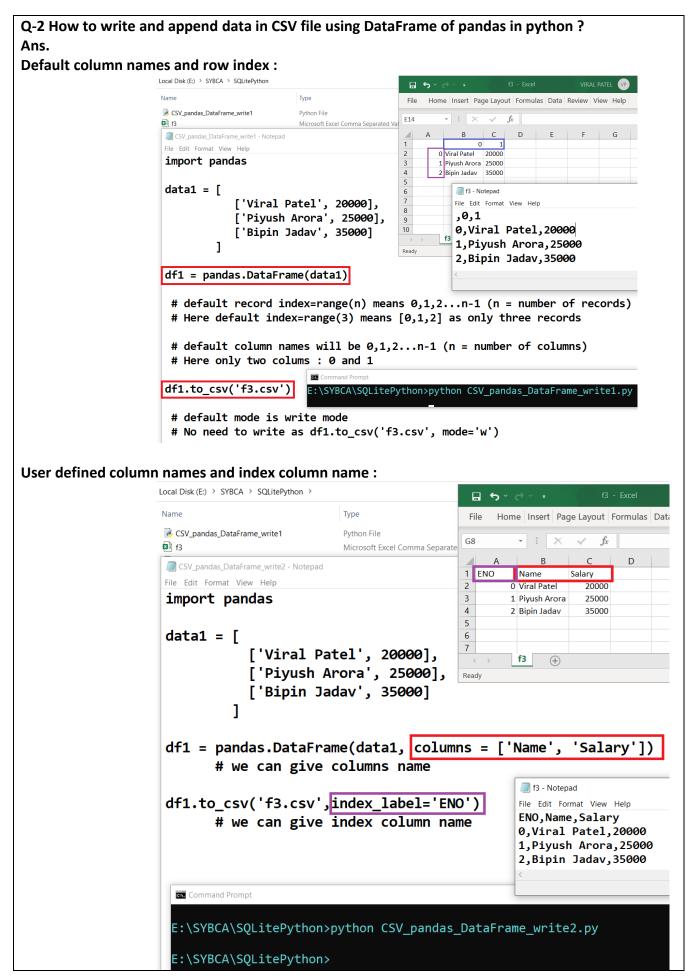
Ans. Pandas, numpy and matplotlib can be installed using following commands on cmd prompt:

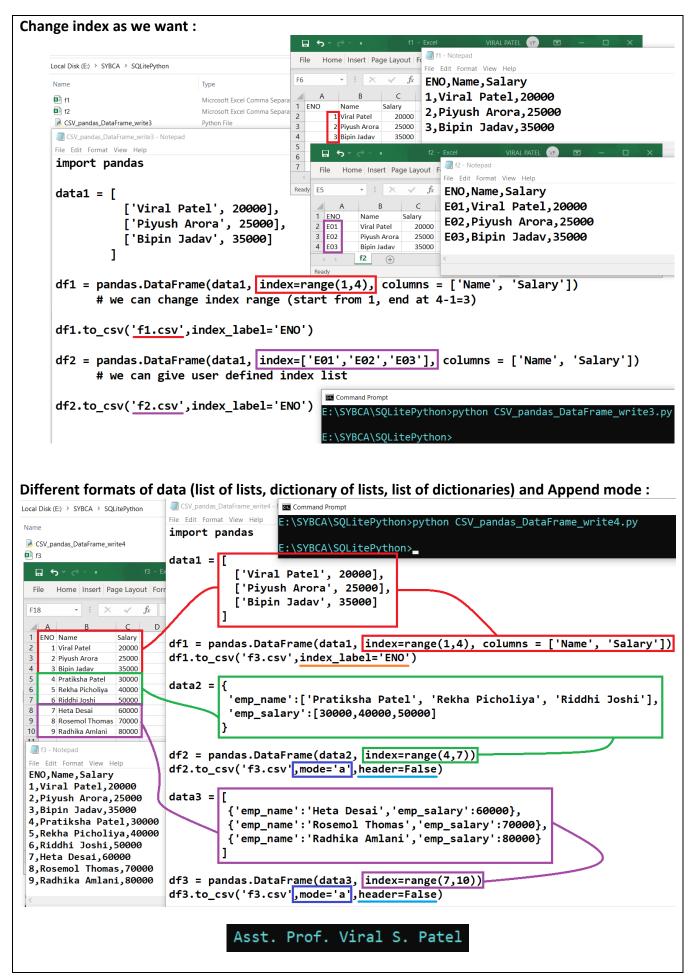
- > pip install pandas
- pip install numpy ( # no need to write this command to install numpy as already installed when pandas package is installed )
- pip install matplotlib

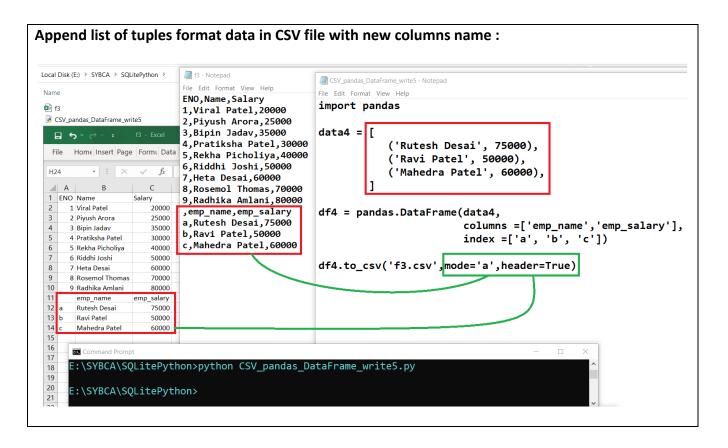
```
:\Users\HP>pip install pandas
Defaulting to user installation because normal site-packages is not writeable
Collecting pandas
 Downloading pandas-1.3.0-cp39-cp39-win_amd64.whl (10.2 MB)
Collecting pytz>=2017.3
 Downloading pytz-2021.1-py2.py3-none-any.whl (510 kB)
                                      | 510 kB 1.3 MB/s
ollecting numpy>=1.17.3
 Downloading numpy-1.21.0-cp39-cp39-win_amd64.whl (14.0 MB)
                                      14.0 MB 2.2 MB/s
ollecting python-dateutil>=2.7.3
 Downloading python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
                                      247 kB 2.2 MB/s
ollecting six>=1.5
 Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
installing collected packages: six, pytz, python-dateutil, numpy, pandas
 WARNING: The script f2py.exe is installed in 'C:\Users\HP\AppData\Roaming\Python\Python39\Scripts'
which is not on PATH.
 Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-s
cript-location.
 iccessfully installed numpy-1.21.0 pandas-1.3.0 python-dateutil-2.8.2 pytz-2021.1 six-1.16.0
```

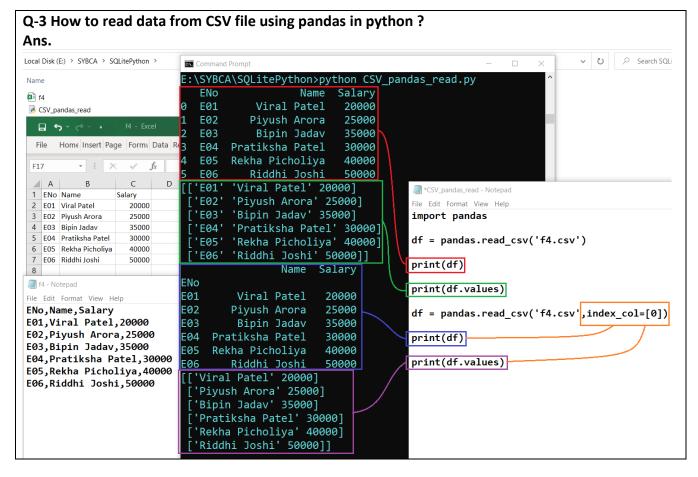
```
C:\Users\HP>pip install matplotlib
efaulting to user installation because normal site-packages is not writeable
Collecting matplotlib
 Downloading matplotlib-3.4.2-cp39-cp39-win_amd64.whl (7.1 MB)
                                     7.1 MB 819 kB/s
Requirement already satisfied: python-dateutil>=2.7 in c:\users\hp\appdata\roaming\python\python39\site-packages (from
matplotlib) (2.8.2)
Requirement already satisfied: numpy>=1.16 in c:\users\hp\appdata\roaming\python\python39\site-packages (from matplotl
ib) (1.21.0)
Collecting pyparsing>=2.2.1
 Downloading pyparsing-2.4.7-py2.py3-none-any.whl (67 kB)
                                     67 kB 607 kB/s
Collecting cycler>=0.10
 Downloading cycler-0.10.0-py2.py3-none-any.whl (6.5 kB)
Collecting kiwisolver>=1.0.1
 Downloading kiwisolver-1.3.1-cp39-cp39-win amd64.whl (51 kB)
                                     51 kB 787 kB/s
Collecting pillow>=6.2.0
 Downloading Pillow-8.3.1-1-cp39-cp39-win_amd64.whl (3.2 MB)
                                     3.2 MB 273 kB/s
Requirement already satisfied: six in c:\users\hp\appdata\roaming\python\python39\site-packages (from cycler>=0.10->ma
tplotlib) (1.16.0)
Installing collected packages: pyparsing, pillow, kiwisolver, cycler, matplotlib
Successfully installed cycler-0.10.0 kiwisolver-1.3.1 matplotlib-3.4.2 pillow-8.3.1 pyparsing-2.4.7
 :\Users\HP>_
```

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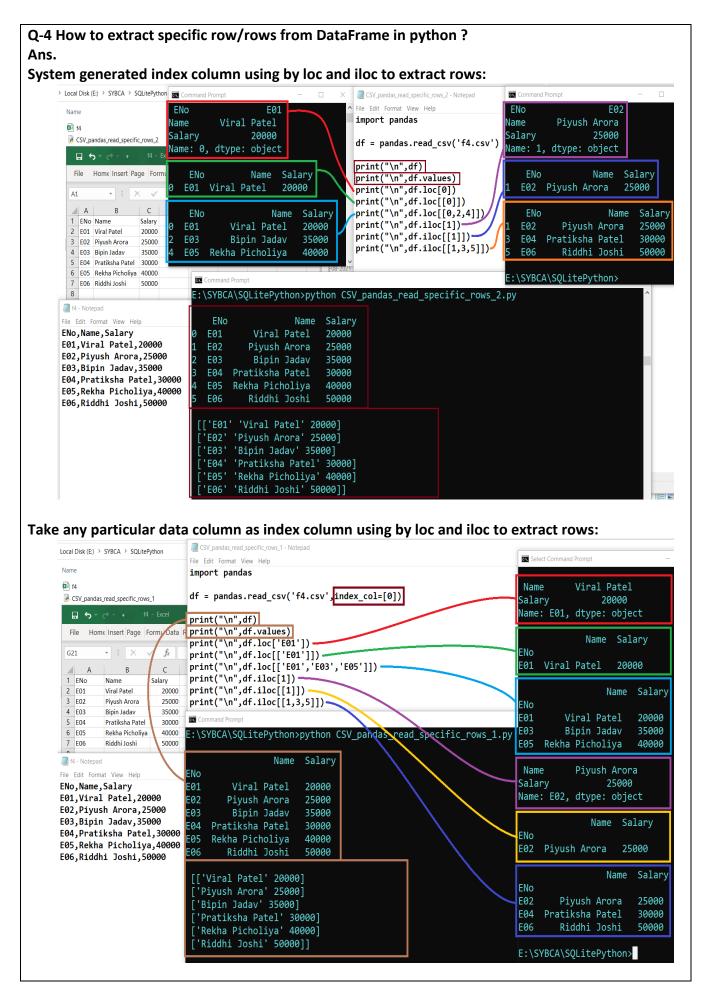


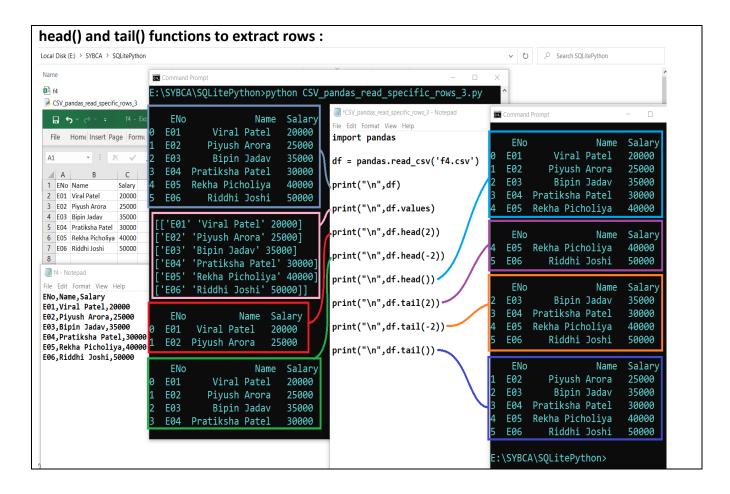


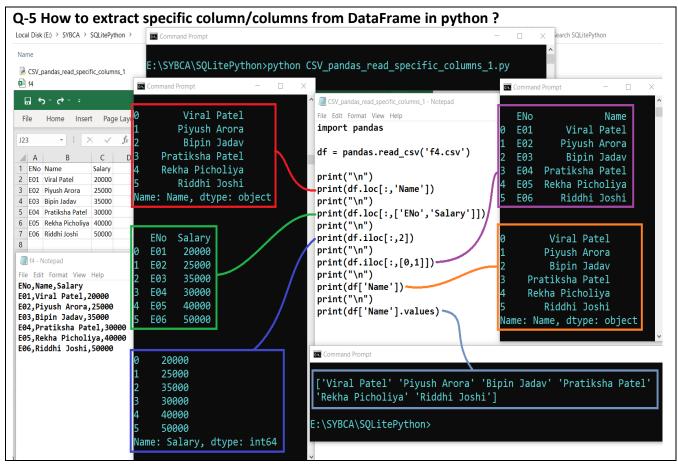


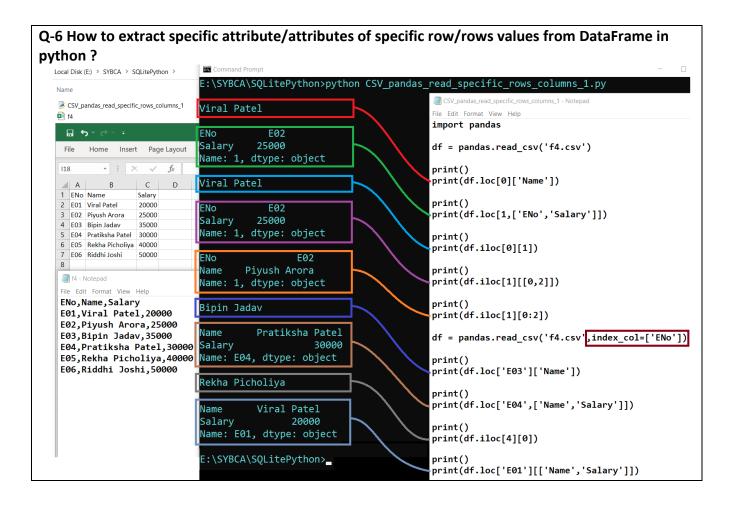


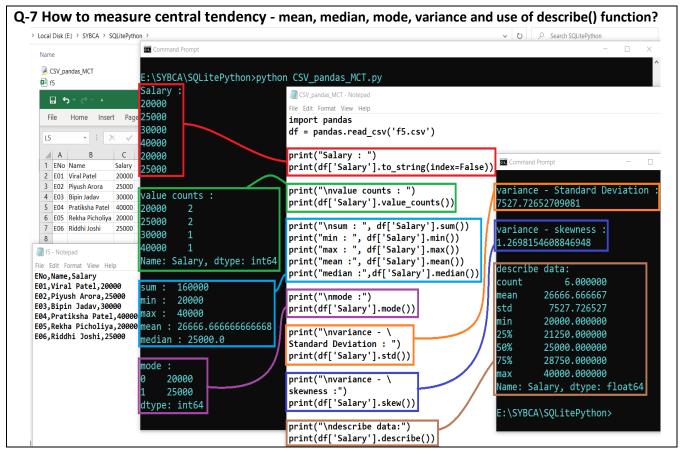
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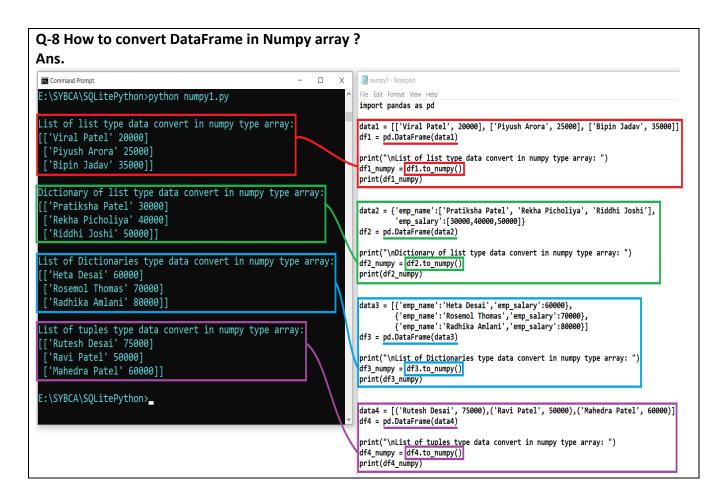


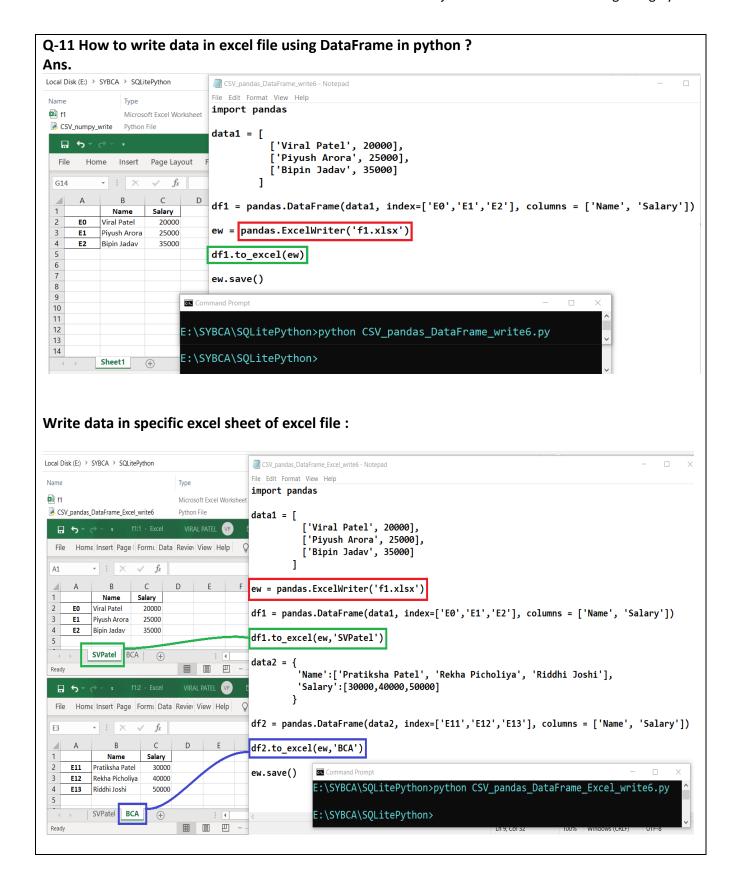




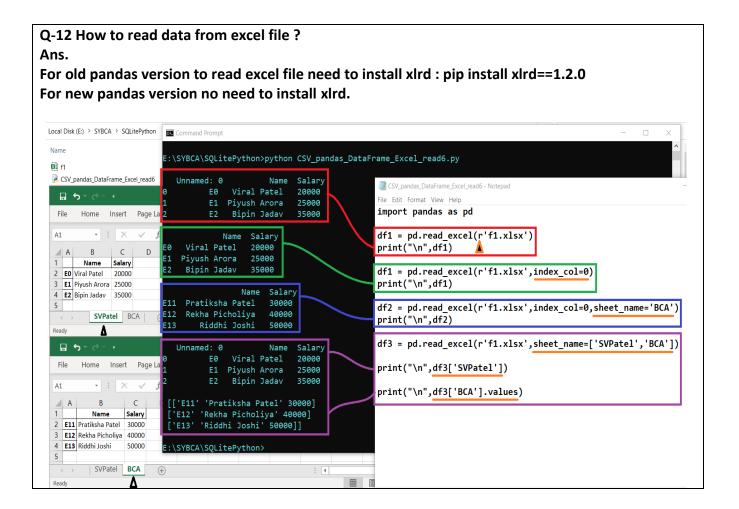








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