Aim: To Brecute pomdas program to highlight the resative numbers red and pasitive numbers black pseudo code: ( alles atalianes estado agua mara talian

- \* import libraries: Import pandas and numpy for handling the data-hame and generating random numbers
- + create a bataframe: use numpy to generate datatrame with lorows and 4 columns tilled with random numbers
- & Highlight megative numbers; Define a function to highlight negative numbers in black.
- a Apply the style : use the style apply map () function to apply the color scheme to the Datatrame sample input:

batatrame of 10 rows and 4 columns of rendom values Sample output:

A 13 -1.10483 -04677 0.811641 0.768053 -0.021937 -0.2675 -1.86798 -0.099365 -0.5633 0.616273 0.947013 -1.672109 1-367833 0.078981 0.22690 0.443323 -1.262702 0.616213 0.4677 1.001556 -1.127010 -1.092081 0.616273 0.4677 1.86521 1.864223 11218550 1-96543 -0.903416 -1.462862 6.768083-0.695985 1-218500 1.96547 1-86521 1.864233 0.105486-1.46349 1.864233 -0.202535 Result:

Therefore the pomdas execution for highlighting rejetive a positive numbers executed successfully

```
File Edit Format Run Options Window Help
import pandas as pd
import numpy as np
# Create DataFrame with random values
df = pd.DataFrame(np.random.randn(10, 4))
# Function to highlight negative numbers
def highlight negatives(s):
   return ['color: red' if v < 0 else 'color: black' for v in s]
# Apply the highlighting
df.style.apply(highlight negatives)
print(df)
                                                                         X
IDLE Shell 3.12.4
File Edit Shell Debug Options Window Help
             0
    0 1.006827 0.876526 -0.701401 0.821812
    1 -0.390457 1.572903 0.041000 -1.278588
    3 0.837607 -0.000669 0.219758 0.072653
    4 -1.296886 0.017380 0.282212 1.595495
    5 0.866897 0.186737 1.410269 -0.915463
      1.022344 -0.247977 -0.452670 -1.696918
    7 -0.331138 0.228933 -0.007982 -1.267470
    8 0.745098 0.090340 -0.627080 -0.961841
    9 0.883099 -1.063393 -1.857893 -0.579969
>>>
                                                                         Ln: 30 Col: 41
```

program 10.py - C:/Users/abhip/OneDrive/Documents/DSA05 LAB/program 10.py (3.12.4)