

Create a dataframe of ten rows, four columns with random values. Convert some values to nan values. Write a Pandas program which will highlight the nan values.

PROGRAM:

```
import pandas as pd

import numpy as np

# Create a DataFrame with random values

np.random.seed(42)

data = np.random.rand(10, 4)

columns = ['Column1', 'Column2', 'Column3', 'Column4']

df = pd.DataFrame(data, columns=columns)

# Convert some values to NaN

df.iloc[1, 2] = np.nan

df.iloc[4, 0] = np.nan

df.iloc[7, 3] = np.nan

# Print the DataFrame without styling

print(df)
```

OUTPUT:

```
===== RESTART: C:/Users/PADMASRI/Documents/Codings/
   Column1  Column2  Column3  Column4
0  0.374540  0.950714  0.731994  0.598658
1  0.156019  0.155995      NaN  0.866176
2  0.601115  0.708073  0.020584  0.969910
3  0.832443  0.212339  0.181825  0.183405
4      NaN  0.524756  0.431945  0.291229
5  0.611853  0.139494  0.292145  0.366362
6  0.456070  0.785176  0.199674  0.514234
7  0.592415  0.046450  0.607545      NaN
8  0.065052  0.948886  0.965632  0.808397
9  0.304614  0.097672  0.684233  0.440152
|
```