

```
import pandas as pd
import numpy as np

# Set the random seed for reproducibility
np.random.seed(42)

# Create a 4x4 NumPy array with random values
data = np.random.rand(4, 4)

# Create the DataFrame
df = pd.DataFrame(data, columns=['Column1', 'Column2', 'Column3', 'Column4'])

# Print the DataFrame
print(df)
```

	Column1	Column2	Column3	Column4
0	0.374540	0.950714	0.731994	0.598658
1	0.156019	0.155995	0.058084	0.866176
2	0.601115	0.708073	0.020584	0.969910
3	0.832443	0.212339	0.181825	0.183405

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import numpy as np

# Set the random seed for reproducibility
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# Create a 4x4 NumPy array with random values
data = np.random.rand(4, 4)

# Create the DataFrame
df = pd.DataFrame(data, columns=['Column1', 'Column2', 'Column3', 'Column4'])

# Rename the column names
df.rename(columns={'Column1': 'Random value 1',
                  'Column2': 'Random value 2',
                  'Column3': 'Random value 3',
                  'Column4': 'Random value 4'}, inplace=True)

# Print the DataFrame
print(df)
```

```
↳
```

	Random value 1	Random value 2	Random value 3	Random value 4
0	0.374540	0.950714	0.731994	0.598658
1	0.156019	0.155995	0.058084	0.866176
2	0.601115	0.708073	0.020584	0.969910
3	0.832443	0.212339	0.181825	0.183405

```
print(df.describe())
```

	Random value 1	Random value 2	Random value 3	Random value 4
count	4.000000	4.000000	4.000000	4.000000
mean	0.491029	0.506780	0.248122	0.654537
std	0.291252	0.386153	0.329856	0.350875
min	0.156019	0.155995	0.020584	0.183405
25%	0.319910	0.198253	0.048709	0.494845
50%	0.487828	0.460206	0.119954	0.732417
75%	0.658947	0.768733	0.319367	0.892110
max	0.832443	0.950714	0.731994	0.969910

```
print(df.isnull().sum())
```

```
Random value 1    0
Random value 2    0
Random value 3    0
Random value 4    0
dtype: int64
```

```
print(df.dtypes)
```

```
Random value 1    float64
Random value 2    float64
Random value 3    float64
```

```
Random value 4    float64  
dtype: object
```

```
# Display columns using the index location method (iloc)  
print(df.iloc[:, [1, 2]])
```

```
      Random value 2  Random value 3  
0      0.950714      0.731994  
1      0.155995      0.058084  
2      0.708073      0.020584  
3      0.212339      0.181825
```

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