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1.

```
import pandas as pd
s1 = pd.Series([10, 20, 30, 40])
s2 = pd.Series([5, 10, 15, 20])
print("Addition:\n", s1 + s2)
print("Subtraction:\n", s1 - s2)
print("Multiplication:\n", s1 * s2)
print("Division:\n", s1 / s2)
```

2.

```
import pandas as pd
data = {'a': 100, 'b': 200, 'c': 300, 'd': 400}
series = pd.Series(data)
print(series)
```

3.

```
import pandas as pd
import numpy as np
# From List
list_data = [10, 20, 30, 40]
s1 = pd.Series(list_data)
print("Series from list:\n", s1)
# From NumPy Array
array_data = np.array([1, 2, 3, 4])
s2 = pd.Series(array_data)
print("\nSeries from NumPy array:\n", s2)
# From Dictionary
dict_data = {'a': 10, 'b': 20, 'c': 30}
s3 = pd.Series(dict_data)
print("\nSeries from dictionary:\n", s3)
```

4.

```
import pandas as pd
```

```
s1 = pd.Series([1, 2, 3])
s2 = pd.Series([4, 5, 6])
# Vertical stack (use concat)
vertical = pd.concat([s1, s2], ignore_index=True)
print("Vertical Stack:\n", vertical)
# Horizontal stack
horizontal = pd.concat([s1, s2], axis=1)
print("\nHorizontal Stack:\n", horizontal)
```