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In [ ]: import pandas as pd
s = pd.Series(data = [1,2,3,4,5], index = ['A', 'B', 'C','D','E'])
print("Original Data Series:")
print(s)
s = s.reindex(index = ['B','A','C','D','E'])
print("Data Series after changing the order of index:")
print(s)
```

```
In [2]: import pandas as pd
ds = pd.Series([2, 4, 6, 8, 10])
print("Pandas Series and type")
print(ds)
print(type(ds))
print("Convert Pandas Series to Python list")
print(ds.tolist())
print(type(ds.tolist()))
```

```
Pandas Series and type
0    2
1    4
2    6
3    8
4    10
dtype: int64
<class 'pandas.core.series.Series'>
Convert Pandas Series to Python list
[2, 4, 6, 8, 10]
<class 'list'>
```

```
In [ ]: Write a Pandas program to add, subtract, multiple and divide two Pandas Series  
Sample Series: [2, 4, 6, 8, 10], [1, 3, 5, 7, 9]
```

```
In [ ]: import pandas as pd
s1 = pd.Series(['100', '200', 'python', '300.12', '400'])
print("Original Data Series:")
print(s1)
print("Change the said data type to numeric:")
s2 = pd.to_numeric(s1, errors='coerce')
print(s2)
```

```
In [ ]: import pandas as pd
s = pd.Series(['100', '200', 'python', '300.12', '400'])
print("Original Data Series:")
print(s)
new_s = pd.Series(s).sort_values()
print(new_s)
```

```
In [ ]: import pandas as pd

d = {'col1': [1, 2, 3, 4, 7, 11], 'col2': [4, 5, 6, 9, 5, 0], 'col3': [7, 5,
df = pd.DataFrame(data=d)

print("Original DataFrame")
print(df)

# Using iloc
s1 = df.iloc[:, 0]

# Alternatively, you can directly reference the column by name
#s1 = df['col1']

print("\n1st column as a Series:")
print(s1)
print(type(s1))
```