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Series:
```
0    10
1    20
2    30
3    40
4    50
Name: Numbers, dtype: int64
```

DataFrame:
```
        Name   ...        City
0      Alice   ...    New York
1        Bob   ... Los Angeles
2    Charlie   ...     Chicago

[3 rows x 3 columns]
```

Accessing column 'Name':
```
0      Alice
1        Bob
2    Charlie
Name: Name, dtype: object
```

Accessing row 0 with loc:
```
Name       Alice
Age           25
City    New York
Name: 0, dtype: object
```

Accessing row 1 with iloc:
```
Name            Bob
Age              30
City    Los Angeles
Name: 1, dtype: object
```

Subset (Name and City columns):
```
        Name         City
0      Alice     New York
1        Bob  Los Angeles
2    Charlie      Chicago
```

DataFrame with missing values:
```
        Name   ...           City
0      Alice   ...       New York
1        Bob   ...    Los Angeles
2    Charlie   ...        Chicago
3       None   ...  San Francisco

[4 rows x 3 columns]
```

After filling missing values:
```
        Name   ...           City
0      Alice   ...       New York
1        Bob   ...    Los Angeles
2    Charlie   ...        Chicago
3    Unknown   ...  San Francisco

[4 rows x 3 columns]
```

After dropping rows with missing values:
```
        Name   ...           City
0      Alice   ...       New York
1        Bob   ...    Los Angeles
2    Charlie   ...        Chicago
3    Unknown   ...  San Francisco

[4 rows x 3 columns]
```

Grouped and aggregated data:
```
Category
A    30
B    70
C    50
Name: Values, dtype: int64
```

Merged DataFrame:
```
     ID   ...         City
0     1   ...     New York
1     2   ... Los Angeles
```

Concatenated DataFrame:
```
   Category   ...    Values
0         A   ...     100.0
1         A   ...     200.0
2         B   ...       NaN
3         B   ...       NaN
4         C   ...       NaN

[5 rows x 3 columns]
```

Filtered DataFrame (Values > 20):
```
   Category  Values
2         B      30
3         B      40
4         C      50
```

Sorted DataFrame:
```
   Category  Values
4         C      50
3         B      40
2         B      30
1         A      20
0         A      10
```

DataFrame read from CSV:
```
   Category  Values
0         A      10
1         A      20
2         B      30
3         B      40
4         C      50
```

DataFrame read from Excel:
```
   Category  Values
0         A      10
1         A      20
2         B      30
3         B      40
4         C      50
```

Pivot Table:
```
          Values
Category
A             30
B             70
C             50
```

Multi-index DataFrame:
```
Empty DataFrame
Columns: []
Index: [(A, 10), (A, 20), (B, 30), (B, 40), (C, 50)]
```

Reshaped DataFrame:
```
   Category   ... Value
0         A   ...    10
1         A   ...    20
2         B   ...    30
3         B   ...    40
4         C   ...    50

[5 rows x 3 columns]
```