Handas

Grouping and Sorting



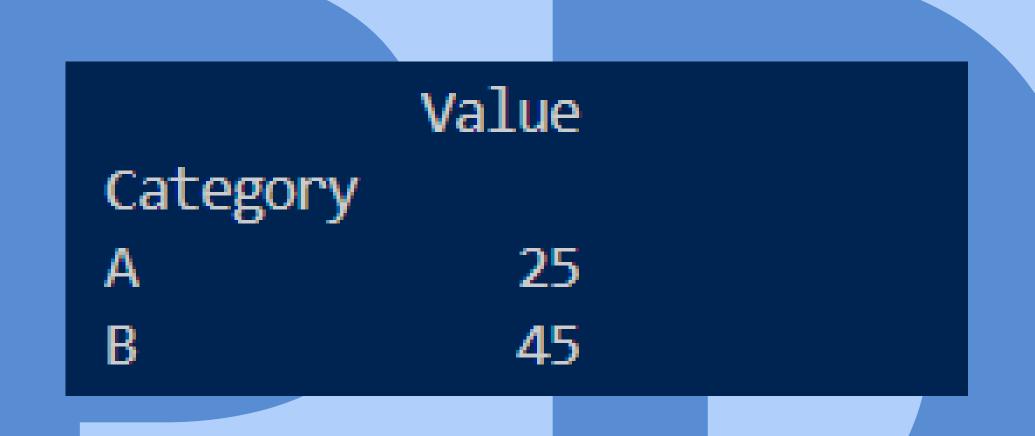






Use `groupby` in pandas to aggregate data by groups, applying functions like sum, mean, or custom operations on subsets.

```
import pandas as pd
    # Create DataFrame
    df = pd.DataFrame({
        'Category': ['A', 'B', 'A', 'B'],
 5
        'Value': [10, 20, 15, 25]
 8
    # Group by 'Category' and sum 'Value'
    result = df.groupby('Category').sum()
10
11
12
    print(result)
```







To sort a DataFrame in pandas, use sort_values or sort_index.

```
import pandas as pd
    # Create DataFrame
    df = pd.DataFrame({
         'Category': ['B', 'A', 'B', 'A'],
         'Value': [20, 10, 25, 15]
 6
    })
 8
    # Sort by 'Value'
     sorted_df = df.sort_values('Value')
11
12
     print(sorted_df)
13
```

	Category	Value	
1	Α	10	
3	Α	15	
0	В	20	
2	В	25	





Thankyou