

#SORTING AND RANKING OF DATA

```
import pandas as pd
```

```
# Create a sample DataFrame
```

```
data = {'Name': ['Alice', 'Bob', 'Charlie', 'David'],  
        'Age': [25, 35, 35, 48],  
        'Salary': [10000, 96000, 54000, 52000]}
```

```
df = pd.DataFrame(data)
```

```
# Sorting by 'Age' in ascending order
```

```
sorted_data = df.sort_values(by='Age', ascending=True)
```

```
# Ranking the 'Age' column
```

```
df['Rank'] = df['Age'].rank(method='average')
```

```
print("Sorted Data:")
```

```
print(sorted_data)
```

```
print("\nRanked Data:")
```

```
print(df)
```