

How to sort dataframe by index, How to sort dataframe by specific column

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1- import pandas as pd
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3- # Example DataFrame
4- df = pd.DataFrame({
5-     'Name': ['Alice', 'Bob', 'Charlie'],
6-     'Age': [25, 30, 20]
7- }, index=[2, 0, 1])
8-
9- # Sort by index (ascending)
10- df_sorted_index = df.sort_index()
11-
12- # Sort by index (descending)
13- df_sorted_index_desc = df.sort_index(ascending=False)
```

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2-
# Sort by column 'Age' (ascending)
df_sorted_age = df.sort_values(by='Age')

# Sort by column 'Age' (descending)
df_sorted_age_desc = df.sort_values(by='Age', ascending=False)

# Sort by multiple columns
df_sorted_multi = df.sort_values(by=['Age', 'Name'])
```