

```

(1) import pandas as pd
import numpy as np
data = {
    'A': [1, 2, np.nan, 4],
    'B': [np.nan, 'foo', 'bar', np.nan],
    'C': [5, np.nan, np.nan, 8]
}
df = pd.DataFrame(data)
fill_value = 'missing'
df[df.isna()] = fill_value
print(df)

```

OUTPUT:

	A	B	C
0	1.0	missing	5.0
1	2.0	foo	missing
2	missing	bar	missing
3	4.0	missing	8.0

```

(2) import pandas as pd
data = {
    'A': [3, 1, 2],
    'B': ['c', 'a', 'b']
}
df = pd.DataFrame(data)
df = df[df['A'].sort_values().index]
print(df)

```

OUTPUT:

	A	B
1	1	a
2	2	b
0	3	c

```

(3) import pandas as pd
data = {
    'Category': ['A', 'B', 'A', 'B', 'A'],
    'Values': [10, 20, 30, 40, 50]
}
df = pd.DataFrame(data)
grouped = df.groupby('Category')
result = grouped['Values'].sum()
print(result)

```

OUTPUT: Category

A 90

B 60

Name: Values, dtype: int64