Fill in the blanks   ◯ 124s   ✓ Submit Answer

Subset the Pandas DataFrame `df` to return all rows with a `weight` greater than 175.

```
      species  name  weight
0      lion  Sally     121
1     tiger  Henry     228
2      lion   Tony     177
3     tiger   Lucy     165
```

Complete the code to return the output

```
print(df[  write code here  ])
```

Expected Output

```
   species   name  weight
1    tiger  Henry     228
2     lion   Tony     177
```

Question: Subset the Pandas DataFrame 'df' to return all rows with a 'weight' greater than 175.

Answer:

import pandas as pd

# Create the DataFrame
data = {
    "species": ["lion", "tiger", "lion", "tiger"],
    "name": ["Sally", "Henry", "Tony", "Lucy"],
    "weight": [121, 228, 177, 165]
}
df = pd.DataFrame(data)

```
# Filter the rows where weight is greater than 175
filtered_df = df[df["weight"] > 175]

# Print the filtered DataFrame
print(filtered_df)
```

Explanation:

1. The pandas library is imported for data manipulation.
2. A dictionary 'data' is used to create the DataFrame 'df' with columns for species, name, and weight.
3. A filtering condition 'df["weight"] > 175' is applied to subset the rows where the weight is greater than 175.
4. The resulting subset 'filtered_df' is printed to display the rows meeting the condition.