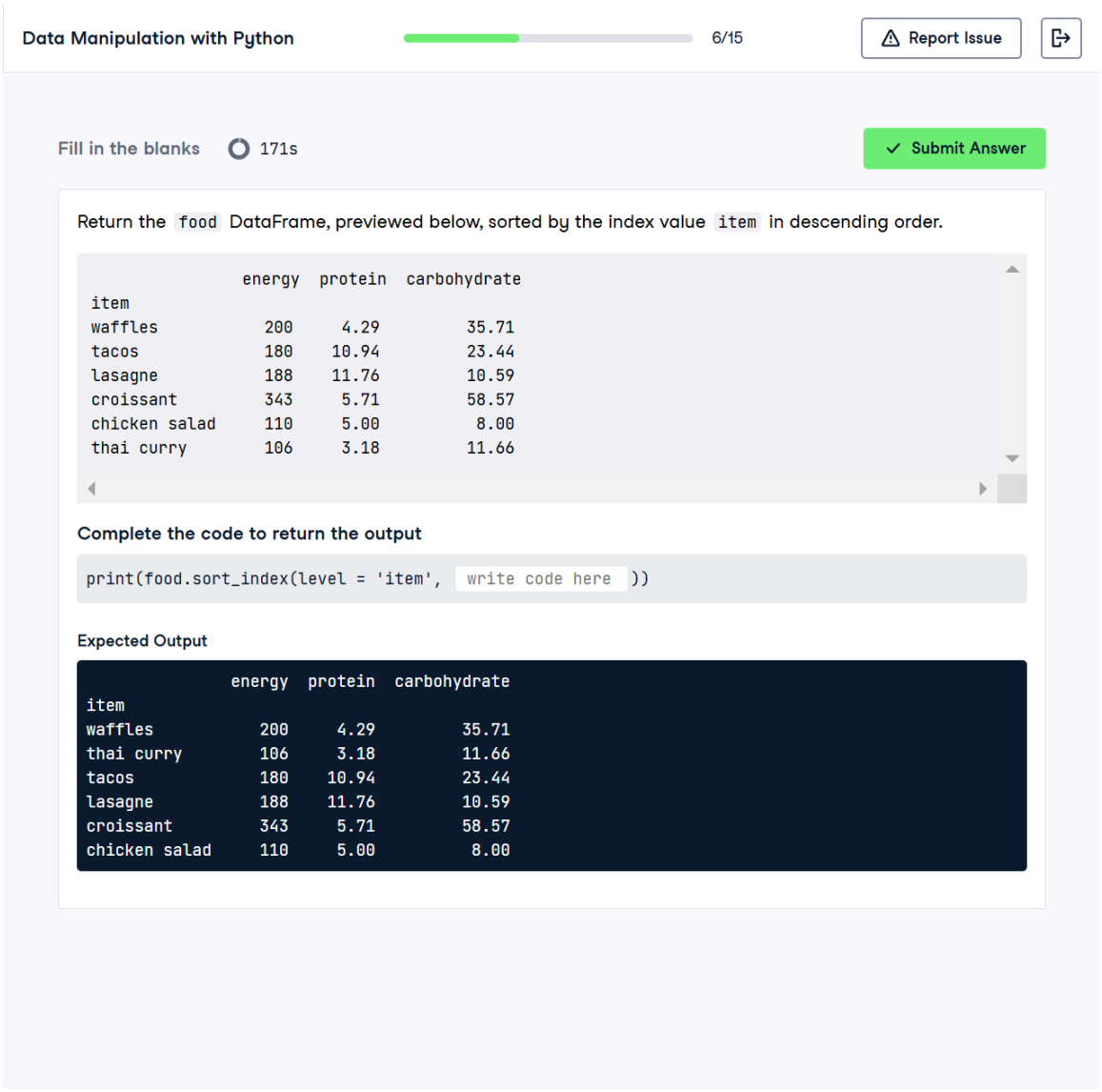


Question: Return the 'food' DataFrame, shown in the image, sorted by the index value 'item' in descending order.

Answer:

```
import pandas as pd

# Create the DataFrame
data = {
    "energy": [200, 180, 188, 343, 110, 106],
    "protein": [4.29, 10.94, 11.76, 5.71, 5.00, 3.18],
    "carbohydrate": [35.71, 23.44, 10.59, 58.57, 8.00, 11.66]
}
index = ["waffles", "tacos", "lasagne", "croissant", "chicken salad", "thai
```

```
curry"]
food = pd.DataFrame(data, index=index)

# Sort the DataFrame by index in descending order
sorted_food = food.sort_index(level='item', ascending=False)

# Print the sorted DataFrame
print(sorted_food)
```

Explanation:

1. The pandas library is imported for data manipulation.
2. A dictionary 'data' and an index list are used to create the DataFrame 'food'.
3. The 'sort_index' method is applied to sort the DataFrame by the 'item' index in descending order.
4. The parameter 'level' specifies the index level to sort, and 'ascending=False' indicates descending order.
5. The sorted DataFrame is stored in 'sorted_food' and printed.