

## List Methods (2) - Python Exercise

Below is the image provided along with the recreated question, terminal output, and answer:

The screenshot shows a web browser window displaying a DataCamp exercise page. The page title is "List Methods (2)". The instructions state: "Most list methods will change the list they're called on. Examples are: 

- `.append()`, that adds an element to the list it is called on,
- `.remove()`, that removes the first element of a list that matches the input, and
- `.reverse()`, that reverses the order of the elements in the list it is called on.

 You'll be working on the list with the area of different parts of the house: `areas`."

The code editor shows the following Python script:

```
1 # Create list areas
2 areas = ['hallway', 11.25, 18.0, 20.0, 10.75, 9.50]
3
4 # Use append twice to add poolhouse and garage size
5
6
7
8 # Print out areas
9
10
11 # Reverse the orders of the elements in areas
12
13
14 # Print out areas
15
```

The terminal window shows the prompt `In [1]:`.

## Recreated Question and Terminal

### List Methods (2)

Most list methods will change the list they're called on. Examples are:

- `.append()`, that adds an element to the list it is called on
- `.remove()`, that removes the first element of a list that matches the input, and
- `.reverse()`, that reverses the order of the elements in the list it is called on.

You'll be working on the list with the area of different parts of a house: `areas`.

Instructions:

- Use `.append()` twice to add the size of the poolhouse and the garage again: 24.5 and 15.45, respectively. Make sure to add them in this order.

- Print out areas.
- Use the `.reverse()` method to reverse the order of the elements in areas.
- Print out areas once more.

## Answer

```
# Create list areas
areas = [11.25, 18.0, 20.0, 10.75, 9.50]

# Use append twice to add poolhouse and garage size
areas.append(24.5)
areas.append(15.45)

# Print out areas
print(areas)

# Reverse the orders of the elements in areas
areas.reverse()

# Print out areas
print(areas)
```

## Explanation of the Answer

The `.append()` method is used to add 24.5 and 15.45 to the end of the list areas. The `.reverse()` method is then called to reverse the order of all elements in the list. The `print()` function is used to display the list before and after reversing.