Exercise 1: Write a function that returns its argument string, but with any text after (and including) a # symbol removed.

Exercise 1 Answer

```
def remove_comments(string):
    """ Return a copy of string, but with
        all characters starting with and following
        the first instance of '#' removed. If there
        is no # in the string, return input unchanged. """
```

Exercise 2: The code the box below sets `word` to the string `"BellinghaM"`, where the last letter, M, is now capitalized. Write a function that does the same thing to any input string. The function should work on any length input, and should return the resulting string.

Exercise 2: Demo Code

```
word = "Bellingham"
word = word[:9] + word[9].upper()
```

Exercise 2 Function

```
def capitalize_last(in_str):
    """ Return a copy of in_str with its last character
        capitalized. Precondition: last character is a letter.
    """
```

Exercise 3: Rewrite the function from Exercise 1 without using a loop.

Exercise 3 Code

```
def remove_comments(string):
    """ Return a copy of string, but with
        all characters starting with and following
        the first instance of '#' removed. If there
        is no # in the string, return input unchanged. """
```