Please create a `hw5` directory inside the private GitHub repo where you have submitted your previous homework (`<github-username>-hw`). All your code should appear in a file called `hw5.py` that lives inside the `hw5` directory. Make sure to add `hw5.py` to the repo and commit your changes with `$ git commit -a -m "replace this with your own log message"`. If you are working from a previously cloned repo, remember to execute `$ git pull` to retrieve any changes from `github.com` *before* committing.

Question 1 (15 points). *A palindrome is a string that reads the same backward as forward. Write a function called* `pal` *that accepts a string and returns* `True` *if and only if the string is a palindrome. Your function should use recursion.* Hint: think about comparing the first and last characters and recursing inwards

```
>>> pal("racecar")
True
>>> pal("amanaplanacanalpanama")
True
>>> pal("foobar")
False
```