Global Variables + Scope

First, an example…

In your lessons folder, make a file called “scope_practice.py”.

Write a function called remove_chars that takes two inputs

msg: str and char: str

and returns a *copy of msg* with all instances of char removed.

E.g. remove_chars("football", "o") should return "ftball"

First, an example…

In your lessons folder, make a file called “scope_practice.py”.

Write a function called remove_chars that takes two inputs

msg: str and char: str

and returns a *copy of msg* with all instances of char removed.

E.g. remove_chars("football", "o") should return "ftball"

```
def remove_chars(msg: str, char: str) -> str:
    """Return a copy of msg with all instances of char
removed."""
    copy: str = "" # Set up empty str to copy values over
    index: int = 0
    while index < len(msg):
        # if <something>
        #    <do something>
      index += 1
    return copy
```

Relative reassignment operator

Now, try calling the function…

Outside the function definition, create a variable called word with the value “yoyo”.

Print the result of calling your function with arguments word and “y”

Now, print the result of calling your function with arguments word and “o”

Challenge: try using *positional arguments* if you can!

Debugger demo…

Diagram!

Importing Functions (An Example We'll Do Together)

In your lessons folder, make a file called "importing.py".

In that file, import remove_chars.

Call it with different arguments.

Try running the file!

Syntax: Import Specific Function or Variable

from <package name>.<module name> import <function or variable name>

Syntax: Import Specific Function or Variable

from <package name>.<module name> import <function or variable name>

directory

folder

file