

COMP
110

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"

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```
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
```

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>
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directory

folder

file