CSCI 141

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Keyword Arguments

Goals

- Know the purpose and syntax for keyword arguments

- Know how to use the `print` function's `sep`, and `end` keyword arguments.

Reminder: Function Call Syntax

```
print("Bellingham", "WA", "USA")
```

Function name

Open paren

Comma-separated list of arguments

Close paren

Keyword Arguments

A mechanism for **optionally** passing information to a function.

```python
print("Bellingham", "WA", "USA", sep="_")
```

The `print` function can take a `sep` keyword argument to change what is printed *between* arguments

If you leave it out, it's equivalent to passing a single space:

```python
print("Bellingham", "WA", "USA") # same as:

print("Bellingham", "WA", "USA", sep=" ")
```

Keyword Arguments

A mechanism for **optionally** passing information to a function.

```python
print("Bellingham", "WA", "USA", end="!")
```

The `print` function can take an `end` keyword argument to specifies what to print after the last argument.

The newline character

In a string, the special character sequence `\n` indicates a newline, or line break.

Example:

```
>>> print("line one\nline two")
line one
line two
>>>
```

Demo: Print's Keyword Args

Demo: Print's Keyword Args

- Print with sep

- Print with end=""

  - End defaults to newline

- Print with end="!", end="!\n"

- Print with sep and end