

Variables and Assignment

CAC 180
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Remind me...

- * What is an assignment statement?
- * How do I write one?
- * How do I print?
- * What is an identifier?
- * What are the rules for creating one?

Remind me...

- * What is an assignment statement?
 - * Assigns a variable (block of memory) with a value
- * How do I write one?
 - * `number = 5`
- * How do I print?
 - * `print(number)`
- * What is an identifier?
 - * A variable's name
- * What are the rules for creating one?
 - * start with letter/underscore, no spaces, no reserved words, meaningful

Printing

* Let's experiment:

* `print('apple')`

* `print('apple', 'pear', 'pineapple')`

* `print('apple', end = '')`

* `print('pie')`

* `print('donut')`

* `print('blueberry', '\ncherry', '\nmango')`

Group Worksheet

Input

- * Without getting input from the user, our programs would be “hardcoded”
- * Would this be useful?
- * How do we get input from the user in Python?
- * What data type is read in from the user?

Casting

- * Casting a variable is to convert it from one type to another
- * `number = '5'`
- * `num = int(number)`
- * `number = int(input('Enter a number: '))`
- * `total = float(input('Enter the total: '))`
- * `print('The total was $' + total)`

What's wrong?

Let's Practice

Next Class

- * Finish reading Zybook Chapter 2