COMP 141

Intro Wrap-Up

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Announcements

- Program 1 has been assigned
  - Details on course website
  - Due on Sept. 7th by 11:55pm – upload to Moodle

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Review: Data Types

- Integers (int)
  - Whole numbers; may be negative
- Floating point numbers (float)
  - Any number with a decimal point; may be negative
- Strings
  - Any sequences of letters, numbers, or punctuation
  - String literals are always surrounded by quotation marks

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Input from the keyboard

- For integers:
  ```
  variable = int(input("Prompt"))
  ```
- For floats:
  ```
  variable = float(input("Prompt"))
  ```
- For strings:
  ```
  variable = input("Prompt")
  ```

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```
variable = input("Prompt")
```

- When Python sees an input statement, the program pauses.
- The "prompt" is displayed on the screen.
- The user types something at the keyboard.
  - What the user types must be of the right data type.
- After the user presses ENTER, whatever the user types is placed into the variable.
- Program continues on the next line.

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Activity

1. Modify your food program (burger and fries) from last time and prompt the user for the total number of burgers and fries they'd like to buy instead of having those values (2 and 3) hard-coded in.

2. Write a short program (new file) that will calculate the proper tip on a bill.
   a. Prompt the user for the total cost of the bill.
   b. Assume you are leaving an 18% tip.
   c. Calculate the total tip for the bill.
   d. Output the tip amount
   e. If you're done early, prompt the user for the tax rate, then use it to calculate the total cost of the bill with tax and tip.