

COMP 141

Intro Wrap-Up



Announcements

- Program 1 has been assigned
 - Details on course website
 - Due on Jan. 25th 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

Write a short program (new file) that will calculate the proper tip on a bill.

- Prompt the user for the total cost of the bill.
- Assume you are leaving an 18% tip.
- Calculate the total tip for the bill.
- Output the tip amount
- 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.

Demo

- Code in Box.com folder – link on website
 - formatPrintInput.py
- For more information about string formatting, see Section 7.2 and 7.4 in Zybook

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