Variables

CS 1111
Introduction to Programming
Spring 2019

[The Coder’s Apprentice, §4]
Variables

• A name that represents a value stored in the computer’s memory

• Creating variables with assignment statements
  
  ```python
  statement = "Python is awesome!!!!"
  ```

  Assignment operator  
  
  ```python
  statement = 4
  ```

  String literal  
  
  ```python
  Type: string
  ```

  Numeric literal  
  
  ```python
  Type: int
  ```

• Python is dynamic typed language
Variable Naming Rules

- No Python’s key words
- No spaces
- First character must be one of the letters (a...z or A...Z) or an underscore character ( _ )
- Case sensitive

- Descriptive
  - Consider t (or x) vs temp vs temperature

- How about payrate vs pay_rate vs payRate