

# Format

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- ▶ *print* and *write* allow us to write characters to the console and to files
  - ▶ Very limited for formatting, have to concatenate a lot
  - ▶ E.g. `print("My name is " + name + " and I like " + animal)`
  - ▶ E.g. `print("I am " + str(age) + " years old")`
- ▶ That's all bush league, *format* is better
  - ▶ Method to insert values into a template string
  - ▶ Called on the string, takes the values to substitute as parameters
  - ▶ The special characters `{}` indicate where to substitute, in order
  - ▶ Does string conversions automatically
  - ▶ `"I am {} years old".format(17)` returns `"I am 17 years old"`
  - ▶ `"I, {}, am {} years old".format('Tim', 17)` returns `"I, Tim, am 17 years old"`
  - ▶ Lots of things you can put in the `{}` to control formatting
    - ▶ E.g. truncate number of decimal places

