

Python Formatting

f-strings

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f-strings

- Introduced in Python 3.6 as a simpler alternative to formatting
 - Used for quick formatting tasks
- Recall raw strings:
 - Preceded with an “r”
 - `r"a_string"`
 - Backslash is no longer an escape character

f-strings

- F-strings are preceded with a small or capital f
 - Examples: `f"a_string"`, `F"another_string"`
- To place the value of a variable or python expression, just put it into curly braces
 - Example:
 - ```
>>> print (F"3+4/5 is {3+4/5}")
3+4/5 is 3.8
```

# f-strings

- This is most useful involving variables

```
>>> def table(n):
... for i in range(1, n+1):
... print(f"{i}\t{i**2}\t{i**3}")
...
...
>>> table(10)
1 1 1
2 4 8
3 9 27
4 16 64
5 25 125
6 36 216
7 49 343
8 64 512
9 81 729
10 100 1000
```

# f-strings

- Anything within curly braces is evaluated, so you can even use functions

```
>>> name = "eric idle"
>>> print(f"{name.upper()} is funny.")
ERIC IDLE is funny.
```

# f-strings

- But by doubling them, you can escape braces

```
>>> name = "eric idle"
>>> print(f"{{name.upper()}} is funny.")
{name.upper()} is funny.
```