

What will this program do?

Try to predict what the code will do *without* running it...

06.code/input_demo.py

```
1 # Demonstrate numeric and string input
2
3 # What do you think happens when this program is run?
4
5 color = input("What is your favorite color? ")
6 print("Cool! My favorite color is _light_", color, "!")
7
8 q2 = "On a scale of 1 to 10, how much do you like Urban Fire? "
9 rating = eval(input(q2))
10 print("Cool! I like it", rating, "!")
```

Questions:

variables: color, q2, rating

1. What do you think the **input** function does?

gets input from the user through the console

2. On line 9, what is the purpose of the **eval** function?

which converts data into the appropriate python type \rightarrow convert to int, float, etc.

3. In the code above, identify the following:

a. Comments

or '''

''' to begin/end

b. Variables

left of an = or assignment

c. Function calls

word/identifier with parentheses - not mathematical expressions

d. Expressions

arithmetic/math

e. Assignments

= signs

f. Literals

values you can literally see in the code - typically strings or numbers

sets string \rightarrow

5 calls \rightarrow