Sharpen your pencil **Solution**

Look how easy it is to write Python

You don't know Python yet, but we bet you can make some good guesses about how Python code works. Take a look at each line of code below and see if you can guess what it does. Write in your answers below. If you get stuck, the answers are on the next page. We did the first one for you.

Code	Description
`customers = ['Jimmy', 'Kim', 'John', 'Stacie']`	Make a list of customers.
`winner = random.choice(customers)`	Randomly choose one of those customers.
`flavor = 'vanilla'`	Set the name or variable called flavor to the text 'vanilla'.
`print('Congratulations ' + winner + ' you have won an ice cream sundae!')`	Print out a congratulations message to the screen that includes the winning customer's name. For instance, if Kim is the winner this code prints "Congratulations Kim you have won an ice cream sundae!"
`prompt = 'Would you like a cherry on top? '`	Set the name or variable called prompt to the text "Would you like a cherry on top? "
`wants_cherry = input(prompt)`	Ask the user to type in some text, and assign it to wants_cherry. Notice that when the user is asked for input, the prompt is first displayed (as seen in the Python output).
`order = flavor + ' sundae '`	Set order to the text 'vanilla' followed by 'sundae'.
`if (wants_cherry == 'yes'):` `    order = order + ' with a cherry on top'`	If the user answered yes to 'Would you like a cherry on top?', then add the text " with a cherry on top" to the order.
`print('One ' + order + ' for ' + winner + ' coming right up...')`	Print out that the winner's order is coming right up.

```
Python Output
Congratulations Stacie you have won an ice cream sundae!
Would you like a cherry on top? yes
One vanilla sundae with a cherry on top for Stacie coming
right up...
```

P.S. If you can't help yourself and you have to type this code in, add `import random` at the very top of the file before running it. We'll get to what that does later, but note that running the code at this point is not required or all that useful. That said, we just know someone's going to have to try it. You know who you are!