Python 2

Getting started:

Follow the steps in the Lecture notes 1 to print the bill depending on the number of cakes entered by the user.

Question 1:

Record what happens when you print an assignment statement:

```
>>> print n = 7
```

How about this?

```
>>> print 7 + 5
```

Or this?

```
>>> print 5.2, "this", 4 - 2, "that", 5/2.0
```

Can you think of a general rule for what can follow the print statement? What does the print statement return?

Question 2:

1. Take the sentence: *All work and no play makes Jack a dull boy*. Store each word in a separate variable, and then print out the sentence on one line using print.
2. Add parenthesis to the expression 6 * 1 - 2 to change its value from 4 to -6.
3. Place a comment before a line of code that previously worked, and record what happens when you rerun the program.
4. Start the Python interpreter and enter bruce + 4 at the prompt. This will give you an error:

   NameError: name 'bruce' **is not** defined

5. Assign a value to bruce so that bruce + 4 evaluates to 10.

Question 3:

Imperial to Metric converter

1. Write a series of small script that convert weight, distance, liquid measurement from Imperial to Metric system. For example weight:

- the script should ask the user to enter the number of stones
- the script should ask the user to enter the number of pounds
- The script should print the weight in Kilograms

2. Write the reverse conversion, for example
   - the script should ask the user to enter the weight in Kg
   - The script should print the closest weight in Stones and Pounds

Question 4: (do it alone!)

We have used `input(str)` during the lecture. There is another function in Python to take the input from a user, it is `raw_input(str)`. Search on the web what is the difference between the two, and then explain it to each other.