LECTURE 3 ACTIVITY

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1. Python

1.1. About Python. Python is a programming language which is as *capable* as it is *accessible*. In my opinion,

- it is as easy to use as BASIC, the first programming language I ever learnt, and

- it is sophisticated enough to do pretty much anything the programmer wants to do.

1.2. First script. A good first script to try is the following.

```
name = input("What is your name? ")
for i in range(1, 10):
    print("Hello", name)
```

This asks for the user's name, assigns the input string to the variable 'name' then outputs 'Hello (name)' nine times. I think it's quite easy to see why.

Hopefully you're already getting good at Python, though there's still plenty of time to learn.

2. The perfect formula?

On a different note, the formula

$$e^{i\pi} + 1 = 0$$

is considered by some to be the perfect mathematical formula, linking the fundamental concepts 0, 1, e, π, addition and equality in a very simple expression. I do quite like it, although I'm not as struck by it as some people are.