

Workshop Lesson 4: Going Loopy Part 1

Description

You will often be given more than one line of input to process. Every time your code asks for `input()` it will get the NEXT line of input. But how do you know how many times to ask?

Lots of problems don't tell you how many you'll need to loop (I know, right?)

They will often tell you to loop until you receive a certain character like a "#".

In these cases you should use a `while True:break` loop. Look at this code that prints out every number it gets until it gets a # symbol

```
while True:
    n = input()           #get input, store in variable n
    if n == "#":         #is it a hashtag?
        break           #if yes then break the while loop!
    else:                #if not
        print(n)        #print n: nb. we 'could' convert it to an integer
    here.....

                        #but it would fail if we tried to convert it before
                        #we check if it's a '#'.....
```

If you haven't seen `if...else` statements either. look here:

https://www.w3schools.com/python/python_conditions.asp

Now your turn!!

You will get a sequence of numbers terminated by a # symbol. You have to print out each number MULTIPLIED by 4. The # symbol should NOT be processed.

Sample Input

```
2
3
4
#
```

Sample Output

```
8
12
16
```

Explanation

Each number is multiplied in turn by 4 and the result printed out....unless it happens to be a hashtag #