02 Practical

Conditionals

Working with conditionals again [repeat from last week].

1. Define a variable called age, write an if statement so that if age less than 18 it prints "Not Entry" otherwise prints "Welcome" e.g.

How old are you? 15
No Entry

How old are you? 19
Welcome

2. Write a program that takes input from the user, it first asks their name, then asks how they are feeling. If the user enters "good" it will print "that's great!", if the user enters" bad" it prints "aw no!" if the user enters anything else it prints "kk" e.g.

What's your name? Nick
Hey Nick how you doing? Good
That's great!

What's your name? Nick
Hey Nick how you doing? eh
kk

Functions

For reference the add function:
```
def add(x, y):
    result = x + y
    return result
```

Integers
1. Write a divide function that takes two numbers and divides them, returning the result.
2. Thinking about your divide function, are there any variables you might need to check for? Does divide error on certain numbers?
3. Write a function that takes 3 numbers as parameters and returns the highest number

Strings
4. Write a function that takes in two strings, and will return whether the second string contains the first string
5. Write a function that takes a string and returns the number of words in the string.
6. Write doctests for the above few functions!