

Let's talk about functions for a minute.... Suppose you want to print the lyrics to the song Happy Birthday! You could write code like this:

```
print("Happy Birthday to you!")
print("Happy Birthday to you!")
print("Happy Birthday dear Dave!")
print("Happy Birthday to you!")
```

But what **if** you wanted your program to wish five of your friends a happy birthday? You would need twenty lines of code. Most of it **is** redundant. Programmer's hate redundancy. They like to simplify. You could begin by creating a simple function as shown below.

```
def HappyBirthday():
    print("Happy Birthday to you!")
    print("Happy Birthday to you!")
    print("Happy Birthday dear Dave!")
    print("Happy Birthday to you!")
```

HappyBirthday()

But what happens **if** all your friends aren't named Dave? You need to make your function more flexible. Python can help with parameters. You simply declare a parameter for your friend's name **as** shown below. Now you can wish a happy birthday to anybody!

```
def HappyBirthday(name):
    print("Happy Birthday to you!")
    print("Happy Birthday to you!")
    print("Happy Birthday dear {0}!".format(name))
    print("Happy Birthday to you!")
```

```
# only python code that is aligned to the left will run on its own.
# Call the function by simply calling its name and passing the variable called name
# which contains your friend's name from the prompt.
HappyBirthday(name)
```

So now we know something about functions. Let's create a function for calculating the scrabble score of a word. We'll apply this function to your movie titles **and** see which title has the best scrabble score.