Create a Timing Context Manager

Some programmers like to use context managers to time small pieces of code. So let's create our own timer context manager class!

```
import random
import time
class MyTimer():
    def __init__(self):
        self.start = time.time()
    def __enter__(self):
        return self
    def __exit__(self, exc_type, exc_val, exc_tb):
        end = time.time()
        runtime = end - self.start
        msg = 'The function took {time} seconds to complete'
        print(msg.format(time=runtime))
def long_runner():
    for x in range(5):
        sleep_time = random.choice(range(1,5))
        time.sleep(sleep_time)
if __name__ == '__main__':
    with MyTimer():
        long runner()
                                                                              \triangleright
```

In this example, we use the class's __init__ method to start our timer. The __enter__ method doesn't need to do anything other then return itself. Lastly, the __exit__ method has all the juicy bits. Here we grab the end time, calculate the total run time and print it out.

The end of the code actually shows an example of using our context manager where we wrap the function from the previous example in our custom context

