# Homework 3 (10 points)

Due Monday February 8 by 1:30PM. Remember you can turn it in late with a 10% per day late penalty.

Write an ARM assembly function named **`sum3or5`** that takes an integer parameter **n** and returns the sum of the integers less than **n** that are multiples of 3 or 5. For example if **n** was 10 then the function would return 23 because 3 + 5 + 6 + 9 = 23. If **n** is 16 then the answer is 60 because 3 + 5 + 6 + 9 + 10 + 12 + 15 = 60. Put your code in a directory named **`hw3`** in a file named **`sum3or5.s`** and make sure it assembles (compiles) separately using the command **`gcc -c sum3or5.s.`** Have a **`main.c`** file that tests your function for **n** = 10, 16, and 1000.