Lab 6

1. Write a program which seeks to evaluate the sum

$$S = \sum_{i=1}^{100n} \frac{1}{n}$$

   for integers $n = 2, 3, ..100$.

   Get the program to create a text file of the pairs $(n, |S - 100|)$. Use the data in the text file to plot a scattergram in MSExcel.

   What can we learn from the scattergram about rounding error?