CSCE206 Lab 4:

1)

Exercise 2.8. *Work with a list.*

Set a variable `primes` to a list containing the numbers 2, 3, 5, 7, 11, and 13. Write out each list element in a `for` loop. Assign 17 to a variable `p` and add `p` to the end of the list. Print out the whole new list. Name of program file: `primes.py`. ◇

2)

Exercise 2.12. *Compute a mathematical sum.*

The following code is supposed to compute the sum $s = \sum_{k=1}^{M} \frac{1}{k}$:

Write two programs to calculate the above mathematical sum. One program uses for loop. Another one uses while loop.

3) Store the following matrix to M, and calculate the sum of all numbers on the boundary.

1, 2, 3

4, 5, 6

7,8,9