

In this homework, we are going to get better at solving loop problems.

Question 1. Write a program to find the sum of the digits of a given number.

Sample Input:

7261

Output:

16

Question 2. Write a program to find a number's reverse.

Sample Input:

1381

Output:

1831

Question 3. Write a program to list prime numbers from 1 to an upper bound.

Sample Input:

19

Output:

2 3 5 7 11 13 17

Question 4. Write a program that gets input x and displays the sum of the series [9 + 99 + 999 + 9999 ...].

Sample Input:

3

Output:

1107

In all questions make sure your solution is correct and test it with various inputs.