

Practice Problem: Loop

1. Write a program that will find the maximum of n integers.
2. Write a program that will compute the value x^n of given two integers x and n.
3. Write a program that finds out all the divisors of a number.
4. Write a program that computes the value of factorial of a given number n.
5. Write a program that takes as input an integer and compute the sum of the following series upto nth term.
 - $1 + 2 + 3 + \dots$
 - $2 + 4 + 6 + \dots$
 - $1 + 5 + 9 + \dots$
 - $1^2 + 2^2 + 3^2 + \dots$
 - $1 * 2 + 3 * 4 + 5 * 6 + \dots$
 - $1/2 + 1/4 + 1/6 + \dots$