

Python

- Write a Python program that computes the sum of the N first integer values. Value N is given by the user.
- Write a Python program that computes the sum of the N first even integer values. Value N is given by the user.
- Write a Python program that computes x^n . Values x and n are given by the user.
- Write a python program that computes the Harmonic alternating series defined as follows:

$$H = -1 + \frac{1}{2} - \frac{1}{3} + \frac{1}{4} - \frac{1}{5} + \dots + \frac{(-1)^n}{n} + \dots$$

- Write a Python program to display the following figures:

<p>Line</p> <pre>* * * * *</pre>	<p>Square</p> <pre>***** ***** ***** ***** *****</pre>	<p>Triangle 1</p> <pre>* ** *** **** *****</pre>
<p>Triangle 2</p> <pre> * * * * * * * * * * * * * * *</pre>	<p>Empty Square</p> <pre>***** * * * * * * * * *****</pre>	<p>Cross</p> <pre> * * * * * * * * *</pre>

- Write a Python algorithm that asks the user to enter a series of positive integers, then displays the maximum of the entered values. The program stops getting numbers from the user when the user either enters 0 or an odd number multiple of 5.