

## Programming Projects

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- 1 - Write an algorithm to find the sum of first 50 natural numbers and also draw the corresponding flowchart
- 2 - Write an algorithm to read a number N from the user and print all its divisors
- 3 - Write an algorithm to find the sum of given N numbers and also draw the corresponding flowchart
- 4 - Write an algorithm to compute the sum of the squares of integers from 1 to 50 and also draw the corresponding flowchart. Assuming that you have to code the above given problem, show the steps involved in program design.
- 5 - Draw a flowchart explaining the process of waking up in the morning. [Hint: Use steps Alarm Ringing, Ready to get up, Hitting snooze button, climbing out of bed]

## Write a Pseudo code for these problems.

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1.  $S = (A + B + C) / Y$
2. Convert from Celsius to Fahrenheit.
3. Area of Circle
4. Volume of Sphere
5. Average speed = Distance traveled / time taken