1. Create an algorithm which will allow the update of the salary of a team of professionals. The Manager should receive a raise of 3%, the technician 5% and the remaining workers 1%.
2. An user requests for the execution of the algorithm “weather station” and types the number corresponding the chosen station. Draw the respective flow chart.
3. Create an algorithm that prints all even numbers from 1 to 100.

4. Create an algorithm where the user types a number and the algorithm checks if it is a triangular number.

Example: 24 = 2 x 3 x 4

5- Create an algorithm that simulates a countdown of 30 seconds. The algorithm will show 10:00 and then,

9:59, 9:58, ..., 9:30

6- Develop an algorithm that calculates the value of N from the following mathematical expression:



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7-Develop an effective algorithm that allows the user to write 10 names and show them on screen. Arrays should be used.

8- Given a country A with 5.000.000 inhabitants and a yearly birthrate of 3%, and a country B with 7.000.000 inhabitants and a yearly birthrate of 2%, calculate and print the amount of time required for the population of country A to surpass the population of country B.