# Algorithm Description – Vote Count

In plain English, point-form, think through the steps necessary to solve the given problem.

Make use of key words like *compare*, *iterate*, *store*.

In code, of course, these translate to conditional statements, loops, and using variables.

## Algorithm

* iterate…
* compare…
* store…

Input

* Prompt the user for the vote amount.
* Iterate until valid input is received
* Check if the users vote is a integer
* Check if it’s in the valid range of 1 – 15
* Collect the users vote amount in a variable if all conditions are met
* After the vote amount is collected, begin the votes.
* Collect the votes.

Process/Output

* Check if the votes entered are a non-string
* Check if the votes have any other characters than A or B
* Check if the amount of characters in the string equal the amount of votes counted.
* If any of these conditions are met print “Error”
* If there are an equal amount of A and B characters, print “Tie”
* If there are a greater amount of B characters than A characters, print B
* If there are a greater amount of A characters than B characters, print A