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Short report

I created 5 integer variables to store the Number of **Positive**, **Negative**, **and Zero** inputs from the user. The **count** variable was created to store the number of inputs the user decided to enter. This **count** variable was used as a counter for the loop. A variety of String variables were also created, this was used for outputting the calculated values.

The call **printf** function was used to print the message asking the use to input a number, this number was used to determine amount of times the loop was iterated through. The inputted number was then saved as **count**, and then stored on the **ecx** register.

I had encountered significant issues when attempting to get the loop to terminate. I have placed the **pop ecx** function in its relevant place in order for ECX to decrement buy 1 after each iteration, however this did not work, and the loop does not terminate. Inside the loop the user number input is taken and stored as num. to check weather the input was a Zero, on line 74 the **jnz** (jump if not zero 0 was used, if the value was 0 the jump would not occur and the Zero count would be appended buy 1.

If the **num** value was anything other than 0 then the code would jump to the **posorneg** flag. This is where I checked to see if **num** was a positive or negative. The **cmp** (compare) function was used, along with the **jge** (jump if greater than), if **num** was greater than -1 then the code would jump to the flag where the Positive variable will be appended by 1. If **num** was less then or equals to -1 than the Negative variable would be appended buy 1.

As I could not get my loop to terminate, the code where I output the calculated results are not displayed, however they do work, and after **line 111** it is visible that I have outputted the requested numbers. The commented out pop **ecx** function I have implemented is evidence that I have attempted to amend the bug in my code.

