

Currency Formatter

Problem Description

You need to design a currency formatter. This formatter takes in any integer or decimal number of any possible precision as input and returns a string that is formatted correctly for the US currency. You cannot use any library function related to currency.

Here are some of the Conditions that it must satisfy:

- The \$ prefix must be added to each formatted output.
- The cents must be rounded to 2 decimal places.
- In case the decimal is .99, it will **not** be rounded off to 1.00
- 0 is a valid input and must return \$0.00
- Negative numbers are also valid. Must follow the same rules
- Use **comma** as the separator. In US Currency the comma occurs after every 3 characters
- if an input that is not a valid number is passed, the output must be NaN

Sample Input 1 :

1212112.3499

Output:

\$1,212,112.35

Sample Input 2 :

1234

Output:

\$1,234.00

Sample Input 3 :

-5125.43

Output:

-\$5,125.43