

## Developer Test Problem Solving Exercise

### Receipt Writer

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You work at a bank, and you have been asked to produce a system that takes a numerical monetary value in dollars and cents and produces its English equivalent — so that it can be printed on a physical paper receipt.

The user should be able to enter a dollars and cents amount (no currency symbols or commas are required for the input) that is less than 2 billion dollars, i.e., a number between zero and 2 billion with two decimal places.

The application will output the English words that express the number as a string of words (dollars and cents). The program should encode words exactly as you would say them in reading out the monetary amount.

For example, if the user enters **1357256.32** then the program should convert that number to a string:

**one million, three hundred and fifty seven thousand, two hundred and fifty six DOLLARS AND thirty two CENTS**

### Your submission

Please submit only source code with clear instructions for compiling.

Please feel free to add a few sentences of commentary to your submission. You might want to consider the following:

- Why did you approach the exercise the way you did?
- If you had more time, what might you do differently?