

## Developer Test Problem Solving Exercise

### Cheque Writer

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**Note:** This exercise should be read in conjunction with the document titled 'WiseTech Global – Developer Test'

You work at a bank and 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 physical paper cheques.

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

The application will output the English words that express the number as a string of word (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 to:

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

### Your submission

Please submit either an executable or source with clear instructions on compiling the test in a **zip file**. Do not compile the test yourself. If you complete your project in Java, please include a JAR file and instructions on how to execute the JAR file.

Please feel free to add a few sentences of commentary with 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?