Numbers – Coding Assignment

Build a .NET application with User Interface that will take a number and give the equivalent number in British English words up to 999,999,999 without using a tokenizer, or any external libraries.

## **Number to Words Converter**

|  |  |
| --- | --- |
| 1 | one |
| 21 | twenty one |
| 105 | one hundred and five |
| 56,945,781 | fifty six million nine hundred and forty five thousand seven hundred and eighty one |

## Guidelines

As a pointer on what we would be looking for in the app:

1. Good OO design principles
2. Well defined objects / interfaces
3. Application of patterns to solve the problem
4. Well tested code
5. Evidence of TDD
6. Well refactored code
7. An MVC front end, however console applications will be accepted.

In general the following rules apply:

1. Clear separation of concerns
2. No code duplication
3. Readable code
4. Tests where relevant are a must

A procedural approach to this code is strongly discouraged.