* **Understand and Analyse the Problem**

1. **How to identify cheque writing number?**
   * Split if string has cent in value, then split it,
   * And divide input with number. For example, hundred, thousand, million and etc.
   * After we got the result number and words we mapping number with array like this :  
     { "Zero", "Ten", "Twenty", "Thirty", "Forty", "Fifty", "Sixty", "Seventy", "Eighty", "Ninety" };
   * And we return the result to user
2. **What should I pass into this function?** A string
3. **What will that string contain?** One or more numbers
4. **What is the end goal?** The goal is to return the words from number that we input. If there are no even numbers, return an information to user.

### Break Down the Problem

Make input sample data for input :

Input : 234.56

Output : TWO HUNDRED AND THIRTY FOUR AND FIFTY SIX CENTS

Approach :

Return correct result

Show message to user insert number not text

Check if the input is number ?

Process Cheque writing and Convert number to words

Input Number

* Write Pseudocode.

Example :

public static string NumberToWords(long number) {

if (number == 0)

return "zero";

if (number < 0)

return "minus " + NumberToWords(Math.Abs(number));

string words = "";

if ((number / 1000) > 0)

{

words += NumberToWords(number / 1000) + " Thousand ";

number %= 1000;

}

if ((number / 100) > 0)

{

words += NumberToWords(number / 100) + " Hundred ";

number %= 100;

}

if (number > 0)

{

var dataMap = new[] { "Zero", "One", "Two", "Three", "Four", "Five", "Six", "Seven", "Eight", "Nine", "Ten", "Eleven", "Twelve", "Thirteen", "Fourteen", "Fifteen", "Sixteen", "Seventeen", "Eighteen", "Nineteen" };

var numberMap = new[] { "Zero", "Ten", "Twenty", "Thirty", "Forty", "Fifty", "Sixty", "Seventy", "Eighty", "Ninety" };

if (number < 20)

words += dataMap[number];

else

{

words += numberMap[(number) / 10];

if ((number % 10) > 0)

words += " " + dataMap[(number) % 10];

}

}

return words;

}