1. What outputs do ‘CHR(82)’ and ‘CHR(43)’ return?
   CHR(82) = R
   CHR(43) = +

2. What outputs do ‘ASC(’K’)’ and ‘ASC(’k’)’ return?
   ASC(’K’) = 75
   ASC(’k’) = 107

3. What outputs do ‘CHR(10)’ and ‘CHR (13)’ return?
   CHR(10) = LineFeed
   CHR(13) = Return

4. Why declare “Dim Letters (1 to 26) as Integer” and not simply “Dim letters(26) as Integer”?
   So that the array starts at the more intuitive value of 1, rather than the default value of 0.

5. Is there any redundancy in the ’String Handling 1’ program (redundancy is extra code or objects on the
   interface that are not needed)?
   ‘CmdCountLetters’ and ‘CmdCountWords’ could be made invisible, but deleting them will delete
   the code called from ‘txtInput_Change’. This code needs to be moved to a module before the
   buttons can be fully deleted.

6. How can we solve the logical error of counting a space as a word and counting two spaces in a row as two
   words?
   Whenever the program finds a space, it could check that the previous character wasn’t also a
   space.
   a. Declare a variable such as:
      
      Dim Letterbefore as String * 1

   b. Insert the following lines:
      i. Place the following line before the code ‘NEXT Letter’ in the program (this stores the
         present letter in a variable before moving onto the next one).
         
         Letterbefore  = Mid(sentence, letter, 1)
      ii. Change the following line of code:
         
         If Mid(sentence, Letter, 1) <> “ “ Then
         
         to:
         
         If Mid(sentence, Letter, 1) <> “ “ AND LetterBefore <> “ “ Then

7. What other enhancements and modifications might be useful for these programs?
   a. Add a simple spell checker. Words are compared against a big array (database) of words.
   b. Add code that counts the number of different words used, removing endings such as “s”,
      “ed”, and “ing”.
   c. Add a punctuation checker that automatically capitalises letters after full stops.