**Distinguishing if the word is a palindrome or not**

REPORT ZBC400\_CK\_PROGRAM1.  
  
*\*\* Program to distinguish if the word is a palindrome or not*  
  
PARAMETERS:  
word type STRING.  
  
*\*\*Declaring the data types needed to run the program 1 integer and 1 string*  
DATA:  
 length type i,  
 palindrome type String.  
  
*\*\*Here I am getting the length of the word*  
length = strlen( word ).  
  
*\*\*Here i am setting length = to 1 less than the length this will allow me to call the last letter of the word*  
length = length - 1.  
  
  
*\*\*Creating a simple while loop*  
while length >= 0.  
  
*\*\*Here I am simply adding the letters to the blank palindrome word in reverse*  
 palindrome = palindrome && word+length(1).  
  
*\*\*This allows me to end the loop when I have gone through the whole word*  
 SUBTRACT 1 FROM length.  
  
  
 ENDWHILE.  
  
 NEW-LINE.  
  
 IF  
 palindrome = word.  
 Write 'Congratulations this is a palindrome'.  
 ELSE.  
 Write 'Sorry this is not a palindrome'.  
 ENDIF.