1. Create a pseudocode program that asks students to enter a word. Call a function to compute the different ways in which the letters that make up the word can be arranged.

Function Numeric calcNumWays(String word)

Declare Numeric numPerm = 1

Declare Numeric num

num = strLength(word)

while num > 0

numPerm = numPerm \* num

num = num -1

return numPerm

End Function

Start

Declare String word

word = Input “Enter a word.”

calcNumWays(word)

Display “The word can be rearranged “ + numPerm + “amount of ways.”

Stop

1. Convert the pseudocode in question one to JavaScript and test your program.