# Task 6 – Pseudocode

## *Question:*

## *Write the pseudocode and code for a function that reverses the words in a sentence. Input: "This is awesome" Output: "awesome is This". Give the Big O notation.*

Pre-condition that the string is reversed in the main.

REVERSE\_STRING(S, L)

words <- 0

for i <- 0, lastl <- 0

if S[i] = ‘ ’ or S[i] = ‘\0’

for j <- I – 1 and j >= lastl

str[words] <- S[j]

words <- words + 1

lastl <- I + 1

str[words] <- S[i]

words <- words + 1

if S[i] = ‘\0’

break

print str