**Pseudocode  
  
factoral**

1. Start

2. Function factorial(n):

a. If n is 0 or 1:

i. Return 1

b. Else:

i. Return n \* factorial(n - 1)

3. Function main():

a. Declare variable num

b. Display "Factorial calculator"

c. Display "Enter a number: "

d. Read input into num

e. If num is less than 0:

i. Display "Enter a non-negative number."

ii. Exit with an error code (return 1)

f. Display "Factorial of num is: ", followed by the result of factorial(num)

4. End