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1.1.1
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* Discrete Structures
* Factorial Program
 * Programmer: Mark Eatough
 * Course: CSIS 2430
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 *This program Prompts the user to enter an integer, and
 *then outputs the factorial of that integer. The program
 *will continuously prompt the user and output the factorial
*until a negative number is entered
 ************
1.1.1
#condition tested for exiting loop
exit = False
#tell the user what the program will do
print "This program finds the factorial of integer you will
enter\n\n"
#Beginning of what is effectively a do while loop
while exit == False:
  #prompt user to enter a number
  num = input("Please enter a positive integer(enter negative
number to exit program): ")
  #check to see of number is negative
  if num < 0:
     #change exit variable to true if number is negative
     exit = True
     print "\n\nGoodbye"
  #if number is positive find factorial
  else:
     #factorial function
     def factorial(n):
        temp = n-1
        while temp > 0:
           n *= temp
           temp-=1
       return n
       #end factorial function
```

