CSIS 3540
Client Server Systems

Lab 4

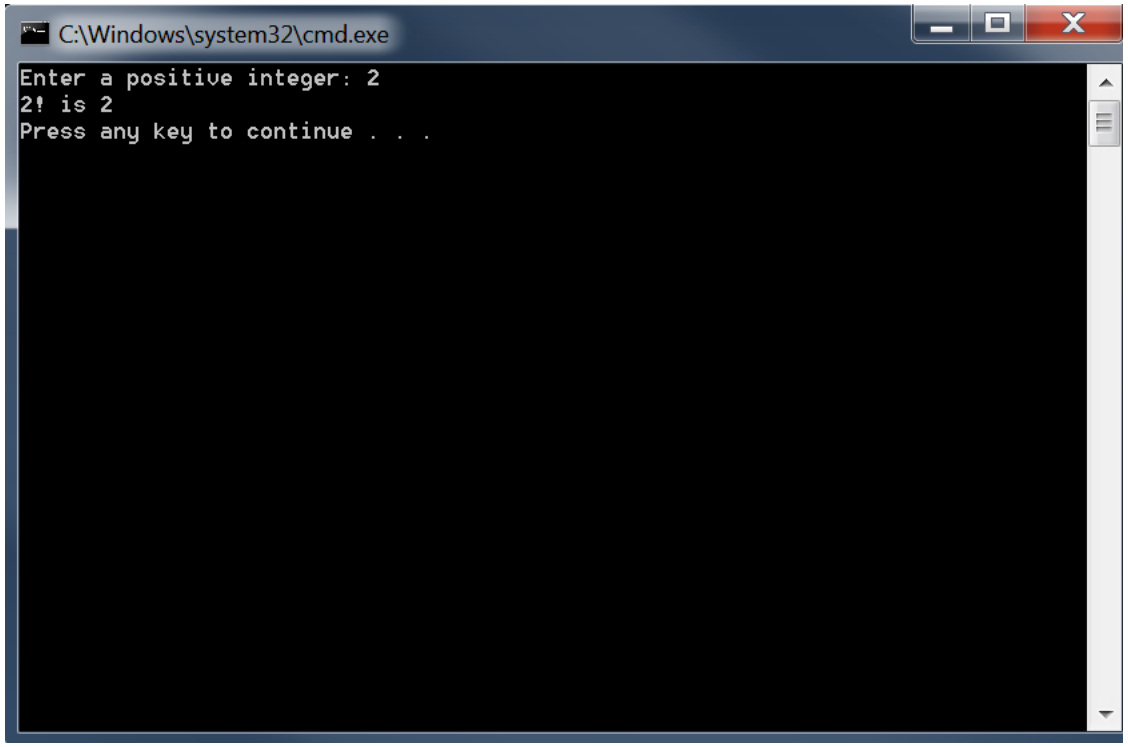
5.37 *(Factorials)* The factorial of a nonnegative integer *n* is written as *n*! (pronounced "*n* factorial") and is defined as follows:

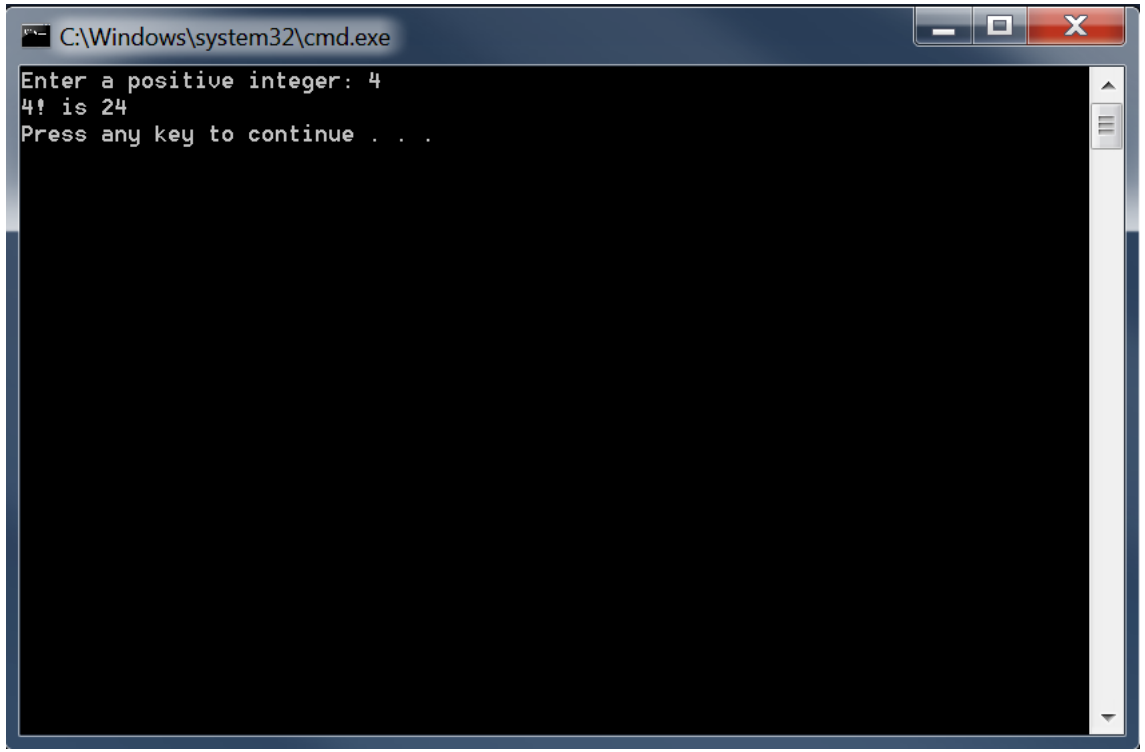
n! = *n* · (*n*–1) · (*n*–2) · … · 1 (for values of *n* greater than or equal to 1)

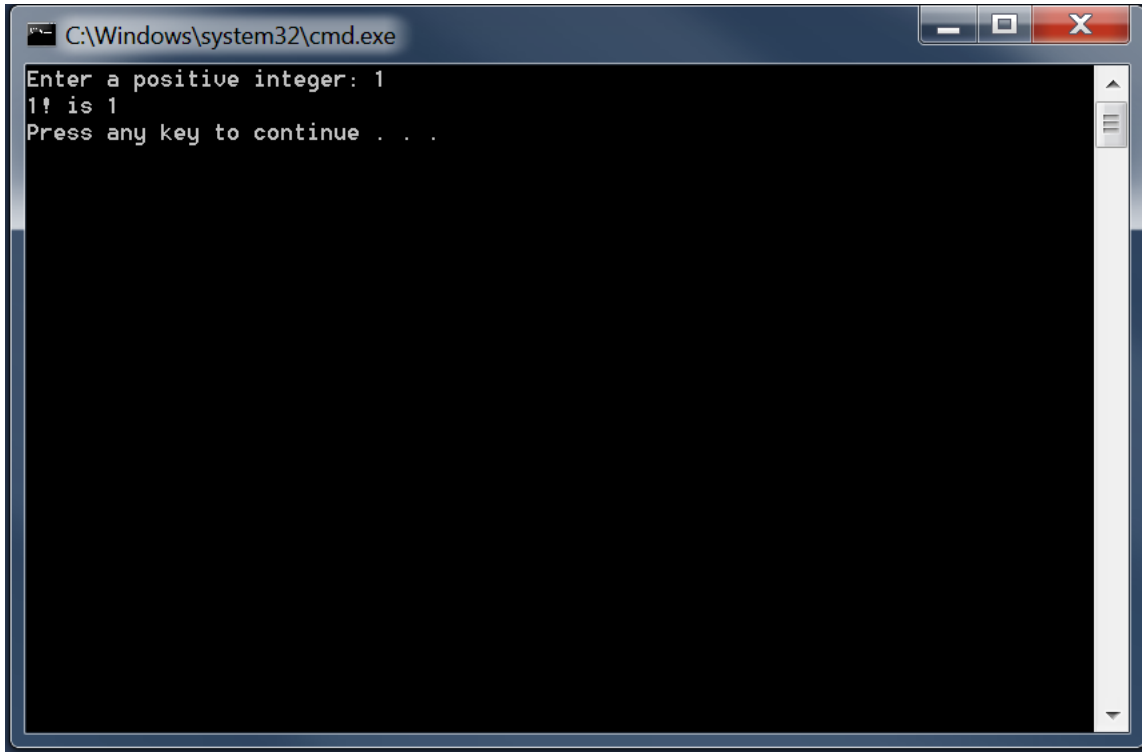
and

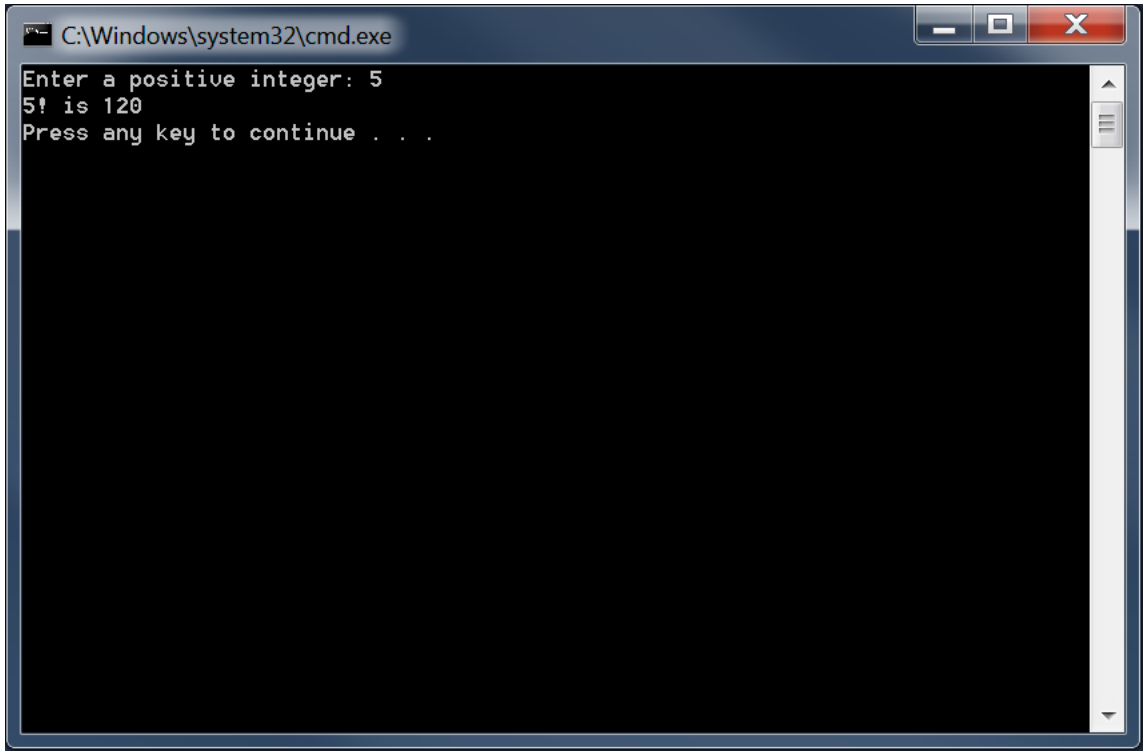
n! = 1 (for *n* =0)

For example, 5! = 5 · 4 · 3 · 2 · 1, which is 120. Write an app that reads a nonnegative integer and computes and displays its factorial.


C:\Windows\system32\cmd.exe
Enter a positive integer: 2
2! is 2
Press any key to continue . . .


C:\Windows\system32\cmd.exe
Enter a positive integer: 4
4! is 24
Press any key to continue . . .


C:\Windows\system32\cmd.exe
Enter a positive integer: 1
1! is 1
Press any key to continue . . .


C:\Windows\system32\cmd.exe
Enter a positive integer: 5
5! is 120
Press any key to continue . . .