```python
#
#     Trace the following program
#

n=int(raw_input("Enter the value of n: "))
k=int(raw_input("Enter the value of k: "))

i=0                              #Line 1
while(i<n):                      #Line 2
    j=0                          #Line 3
    while(j<k):                  #Line 4
        print '*',       #Line 5
        j = j+1                  #Line 6
    print ""                     #Line 7
    i = i+1                      #Line 8


#
# What is the similarities between this and the program I gave in 2-exercises/4.py
#


#
# Also write a program that does the following :
#
# Reads 2 integers n and k and prints the output as given below
#
# 0 0 0 0     0       (k times)   ---
# 1 1 1 1  ... 1                   |
# 2                                |
# 3                                |
# 4                                |
# 5                                |
# .                                |
# .                                |----- (n times)
# .                                |
# .                                |
# 9                                |
# 0                                |
# .                                |
# .                                |
#                         ---
#
# Basically what I want you to do is write a program that prints n lines and each line
prints a
#     digit from 0,1,2 ... 9 one after another k times
#
#
#
#
```

```
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#     Trace the following program
#

n=int(raw_input("Enter the value of n: "))
k=int(raw_input("Enter the value of k: "))

i=0                              #Line 1
while(i<n):                      #Line 2
    j=0                          #Line 3
    while(j<i):                  #Line 4
        print '*',       #Line 5
        j = j+1                  #Line 6
    print ""                     #Line 7
    i = i+1                      #Line 8

#
# What does the above program do?
#
```

```
#
# Write a program that does the following :
#
# Reads an integer n  and prints the following
#
# 1                                                           (1 time)
# 2    2                                                      (2 times)
# 3    3    3                                                 (3 times)
# 4    4    4    4                                            (4 times)
# .
# .
# .
# .
# 11   11   11   11   11   11   11   11   11   11   11             (11 times)
# i    i    i    i                                      ..... i  (i times)
# .
# .
# .
# .
# n
#
#
# There must be a gap of exactly 4 spaces between any two digits on the same line
#

#
# Hint : Have a good look at 2.py of this same set and look for similarities.
#
```