The following examples are complements of Prof. Deena Engel

# rolling virtual dice
import random

# counter-controlled loop
# x = 5
x = int(input("How many times do you want to roll our virtual die? "))
counter = 1
while (x > 0):
    # roll of a die:
    n = random.randint(1, 6)
    # print("n is ",n)
    if (n == 1):
        print(counter, ". You rolled a one.")
    elif (n == 2):
        print(counter, ". You rolled a two.")
    elif (n == 3):
        print(counter, ". You rolled a three.")
    elif (n == 4):
        print(counter, ". You rolled a four.")
    elif (n == 5):
        print(counter, ". You rolled a five.")
    else:
        print(counter, ". You rolled a six.")
    x = x - 1
    counter = counter + 1

import random

# counter-controlled loop
# x = 5
x = int(input("How many times do you want to roll our virtual die? "))
c = 1
while (c <= x):
    # roll of a die:
    n = random.randint(1, 6)
    # print("n is ",n)
    if (n == 1):
        print(c, ". You rolled a one.")
    elif (n == 2):
        print(c, ". You rolled a two.")
    elif (n == 3):
        print(c, ". You rolled a three.")
    elif (n == 4):
        print(c, ". You rolled a four.")
    elif (n == 5):
        print(c, ". You rolled a five.")
    else:
        print(c, ". You rolled a six.")
    c = c + 1
# rolling a die until a certain side shows up
# In this case, we do not know ahead of time how many times
# our "die" will be "rolled".

import random
x = int(input("Which number do you want to stop at? "))
c = 1
n = 0
while (n != x):
    # roll of a die:
    n = random.randint(1,6)
    # print("n is ",n)
    if (n == 1):
        print(c,". You rolled a one.")
    elif (n ==2):
        print(c,". You rolled a two.")
    elif (n == 3):
        print(c,". You rolled a three.")
    elif (n == 4):
        print(c,". You rolled a four.")
    elif (n ==5):
        print(c,". You rolled a five.")
    else:
        print(c,". You rolled a six.")
c=c+1

And here are her answers to some problems from lab 4

# Lab 4, Problems # 1 & 2 - 10/9/2012
# generate a triangle of stars; the user supplies the height

# *
# **
# ***
height = int(input("Please enter the height of the triangle. "))
n = 1
while (n <= height):
    print(n * '*')
    n = n+1

# *
# ****
# ********
height = int(input("How high should this triangle go? "))
flash = height
b = 1
while (flash > 0):
    print(((" ")**(height)+("*"*b)))
    flash = flash-1
    b = b+2
height = height-1
w = int(input("What is the width of the triangle at its widest? "))
y = w-1
c = 1  # counter

while (c <= w):
    print(""*""*""*""*c)
    c=c+1
    y=y-1

y=1
while (c>1):
    print(""*""*""*(c-2))
    c=c-1
    y=y+1

print("Enter a negative number to stop.")
x = int(input("What is the width of the triangle at its widest? "))
i = -x

while (i <= x):
    if (x <0):
        break
    print(""*""*(abs(i)),""*""*(x-{abs(i)}))
    i=i+1
    if (i == x):
        print("Enter a negative number to stop.")
x = int(input("What is the width of the triangle at its widest? "))
i = -x