print "mini lab #10 - diagonalNStars:"

def diagonalNStars(num):

star = ""

for x in range(num):

for y in range(x):

star += " "

star += "\*"

star += "\n"

return star

print diagonalNStars(int(raw\_input("Enter the number of stars to be printed: ")))

print diagonalNStars(int(raw\_input("Enter the number of stars to be printed: ")))

print diagonalNStars(int(raw\_input("Enter the number of stars to be printed: ")))

print ""

print ""

#\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

print "mini lab #11 - reverseDiagonalNStars:"

def reverseDiagonalNStars(num):

star = ""

for x in range(num, 0, -1):

for y in range(x):

star += " "

star += "\*"

star += "\n"

return star

print reverseDiagonalNStars(int(raw\_input("Enter the number of stars to be printed: ")))

print reverseDiagonalNStars(int(raw\_input("Enter the number of stars to be printed: ")))

print reverseDiagonalNStars(int(raw\_input("Enter the number of stars to be printed: ")))

print ""

print ""

#\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

print "mini lab #11 - VStars:"

def VStars(num):

star = ""

numCount = num\*2

for x in range(num):

numCount -= 2

for y in range(x):

star += " "

star += "\*"

for y in range(numCount):

star += " "

star += "\*"

star += "\n"

return star

print VStars(int(raw\_input("Enter the number of stars to be printed: ")))

print VStars(int(raw\_input("Enter the number of stars to be printed: ")))

print VStars(int(raw\_input("Enter the number of stars to be printed: ")))

print ""

print ""

#\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

print "mini lab #13 - DiamondNStars:"

def diamondNStars(num):

star = ""

numCount = -3

for x in range(num-1, -1, -1):

numCount += 2

for y in range(x):

star += " "

star += "\*"

if numCount != -1:

for y in range(numCount):

star += " "

if x != num-1:

star += "\*"

star += "\n"

for x in range(1, num):

numCount -= 2

for y in range(x):

star += " "

star += "\*"

for y in range(numCount):

star += " "

if x != num-1:

star += "\*"

star += "\n"

return star

print diamondNStars(int(raw\_input("Enter the number of stars to be printed: ")))

print diamondNStars(int(raw\_input("Enter the number of stars to be printed: ")))

print diamondNStars(int(raw\_input("Enter the number of stars to be printed: ")))