# Pranav Abbaraju

# Loops Lab 2

print "mini lab #10 - diagonalNStars:"

def diagonalNStars(num):

star = ""

numCount = num

for x in range(num):

numCount -= 1

for y in range(x):

star += " "

star += "\*"

for y in range(numCount):

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: ")))

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print "mini lab #11 - reverseDiagonalNStars:"

def reverseDiagonalNStars(num):

star = ""

numCount = num

for x in range(num):

numCount -= 1

for y in range(numCount):

star += " "

star += "\*"

for y in range(x):

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 "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 += "\*"

for y in range(x):

star += " "

star += "\n"

return star

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

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

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 += "\*"

for y in range(x):

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 += "\*"

for y in range(x):

star += " "

star += "\n"

return star

print DiamondNStars(10)