**#Python program for different patterns**

def pattern():

a=int(input("enter a number"))

for i in range(1,a,1):

print("\*"\*i)

def pattern1():

b=int(input("enter a number"))

for i in range(b,-1,-1):

print("\*"\*i)

def pattern2():

c=int(input("enter a number"))

for i in range(1,c+1,1):

print("\*"\*i)

for j in range(c-1,-1,-1):

print("\*"\*j)

def pattern3():

d= int(input("enter a number"))

for i in range(1,d):

print(' '\*(d-(i-1)),'\* '\*(i))

def pattern4():

e=int(input("enter a number"))

for i in range(e-1,-1,-1):

print(' '\*(e-(i-1)),'\* '\*(i))

def pattern5():

f=int(input("enter a number"))

for i in range(1,f+1,1):

print(' '\*(f-(i-1)),'\* '\*(i))

for j in range(f-1,-1,-1):

print(' '\*(f-(j-1)),'\* '\*(j))

pattern()

pattern1()

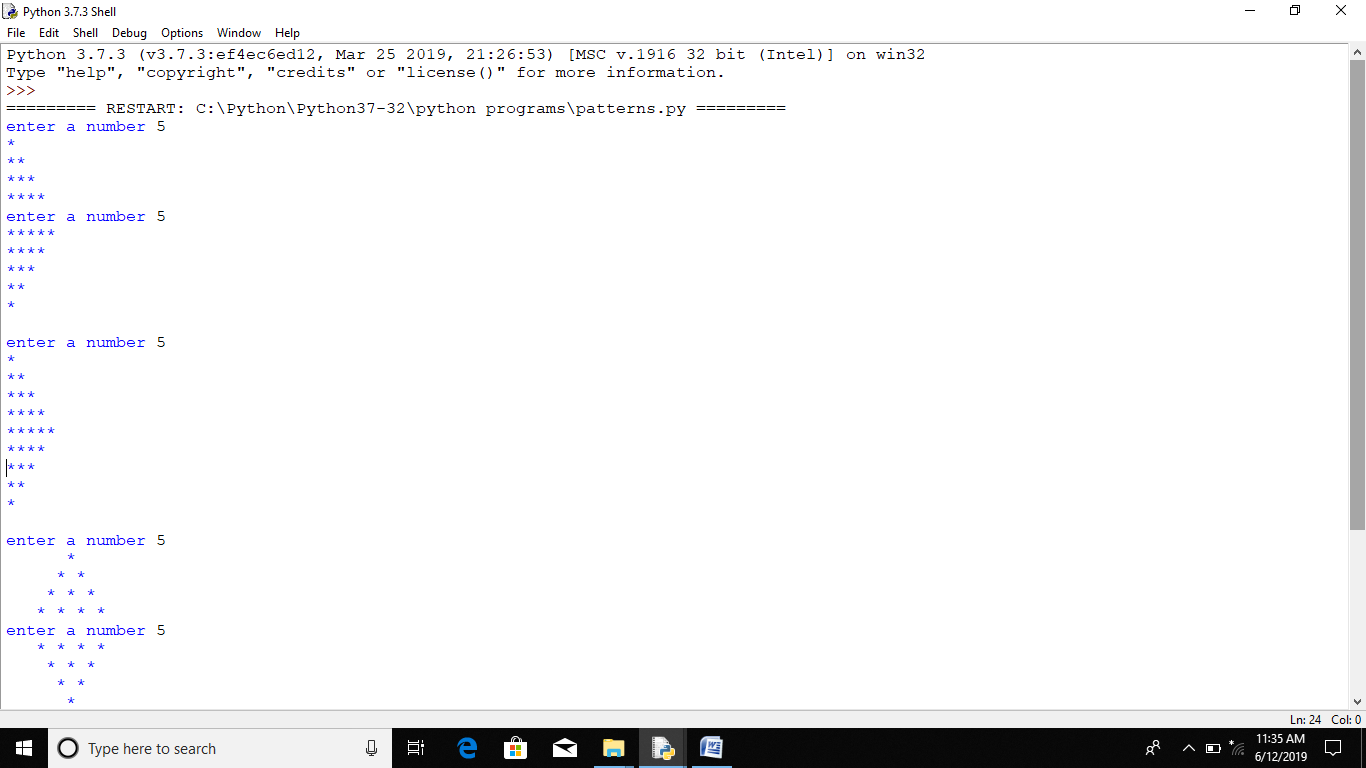
pattern2()

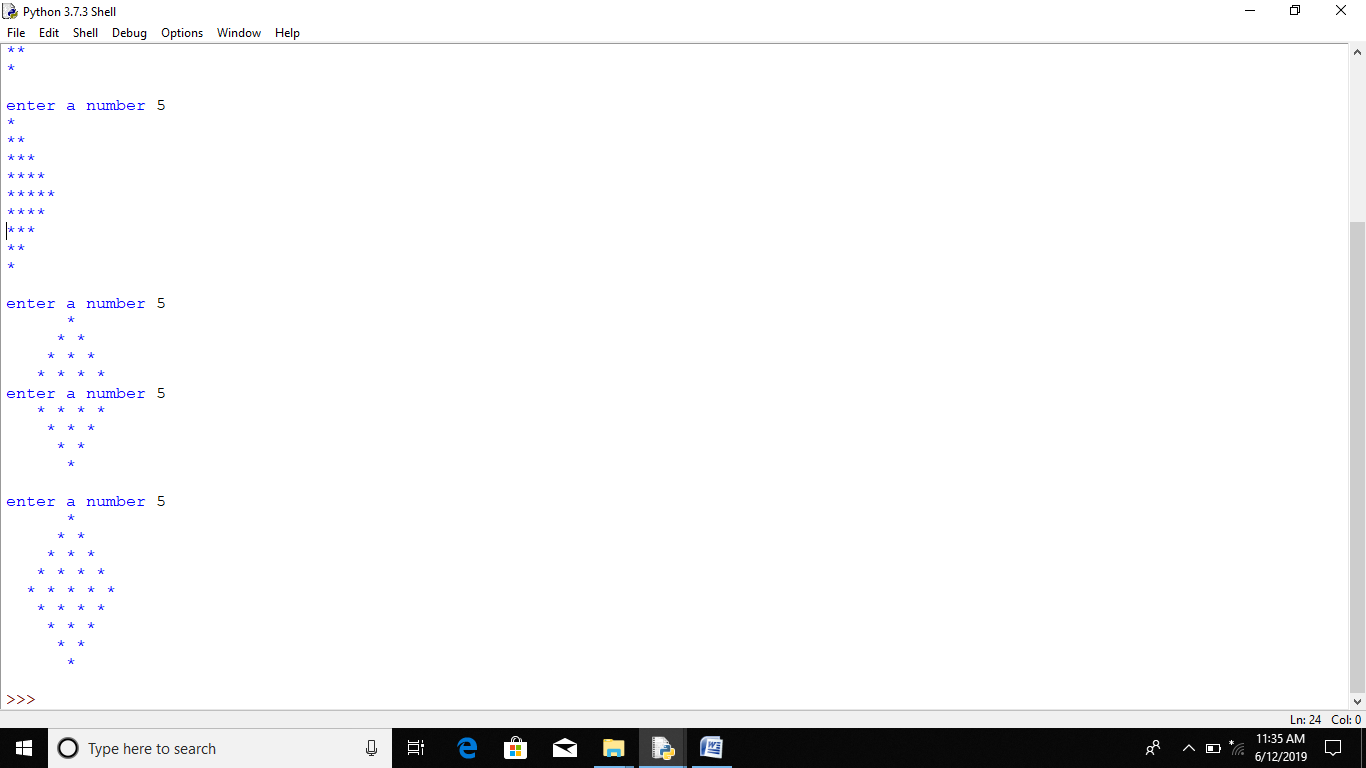
pattern3()

pattern4()

pattern5()

**Output**

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