def fun7(int):

k=1

n = int(input("enter the number = "))

for i in range(1,n):

for j in range(i,i+k):

print(j, end=" ")

k=k+1

print()

print()

fun7(int)

def fun8(int):

n = int(input("enter the number = "))

for i in range(0,n):

k=ord("A")

for j in range(0,i+1):

print(chr(k), end=" ")

k=k+1

print()

fun8(int)

def fun9(int):

n = int(input("enter the number = "))

k=ord("A")

for i in range(0,n):

for j in range(0,i+1):

print(chr(k), end=" ")

k=k+1

print()

fun9(int)

def fun10(int):

n = int(input("Enter the number = "))

for i in range(0,n):

for j in range(n-i-1):

print("",end=" ")

for k in range(i+1):

print("\*",end = " ")

print()

fun10(int)

def fun11(int):

n = int(input("Enter the number = "))

for i in range(n,0,-1):

for j in range(n-i):

print("",end=" ")

for k in range(i):

print("\*",end = " ")

print()

fun11(int)