[Draw algorithm and check method]

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Program:1

a=97  
for i in range(4,0,-1):  
 for j in range(97,97+i):  
 print(chr(a),end=” “)  
 a=a+1  
 print()

Output:-  
a b c d  
e f g  
h i  
j

----------------------------------------------------------------

Program:2

# 65 in char is A

# 90 in char is Z

for i in range(65, 91):

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

Output:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

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Program:3

# square alphabet pattern

size = 5

count = 0

for i in range(size):

for j in range(size):

print(chr(65 + count), end=" ")

count += 1

print()

Output:

A B C D E

F G H I J

K L M N O

P Q R S T

U V W X Y

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Program:4

# square alphabet pattern

size = 5

for i in range(size):

for j in range(65, 65+size):

print(chr(j), end=' ')

print()

Output:

A B C D E

A B C D E

A B C D E

A B C D E

A B C D E

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Program:5

# Left triangle pattern

n = 5

for i in range(n):

for j in range(i+1):

print(chr(j + 65), end="")

print()

Output:

A

AB

ABC

ABCD

ABCDE