**a.**

# \* \* \* \* \*

# \* \*

# \* \*

# \* \*

# \* \* \* \* \*

n = 5

for i in range(n):

for j in range(n):

if (j == 0) or (i == 0) or (j == n-1) or (i == n-1):

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

else:

print(" ",end=" ")

print()

**b.**

**# 1**

**# 2 3**

**# 4 5 6**

**# 7 8 9 10**

**n = 5**

**x = 1**

**for i in range(1,n):**

**for j in range(i):**

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

**x += 1**

**print()**

**c.**

**# 1**

**# 1 1**

**# 1 2 1**

**# 1 3 3 1**

**n = 4**

**for i in range(n):**

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

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

**for j in range(i+1):**

**if (j == 0) or (j == i):**

**print(1,end=" ")**

**else:**

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

**print()**

**d.**

**# A**

**# A B**

**# A B C**

**# A B C D**

**# A B C D E**

**n = 5**

**for i in range(1,n+1):**

**x = 0**

**for j in range(i):**

**print(chr(ord("A") + x),end=" ")**

**x += 1**

**print()**

**e.**

**# \***

**# \* \* \***

**# \* \* \* \* \***

**# \* \* \* \* \* \* \***

**# \* \* \* \* \* \* \* \* \***

**n = 5**

**for i in range(1,n+1):**

**for j in range(i,n+1):**

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

**for j in range(i):**

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

**for j in range(1,i):**

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

**print()**

**f.**

**# \***

**# \* \* \***

**# \* \* \* \* \***

**# \* \* \* \* \* \* \***

**# \* \* \* \* \* \* \* \* \***

**n = 5**

**for i in range(1,n+1):**

**for j in range(i,n+1):**

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

**for j in range(i):**

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

**for j in range(1,i):**

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

**print()**

**g.**

**# A**

**# A B C**

**# A B C D E**

**# A B C D E F G**

**# A B C D E F G H I**

**n = 5**

**for i in range(1,n+1):**

**for j in range(i,n+1):**

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

**x = 0**

**for j in range(i):**

**print(chr(ord("A") + x),end=" ")**

**x += 1**

**for j in range(1,i):**

**print(chr(ord("A") + x),end=" ")**

**x += 1**

**print()**