**PATTERN 1**

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**\*\*\***

def func():

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

for i in range(0,n):

for j in range(0,n):

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

print("")

func()

**PATTERN 2**

**\***

**\*\***

**\*\*\***

**\*\*\*\***

def func():

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

for i in range(0,n):

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

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

print("")

func()

**PATTERN 3**

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**\*\***

**\***

def func():

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

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

for j in range(0,i):

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

print("")

func()

**PATTERN 4**

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def func():

k=0

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

for i in range(0,n):

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

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

k=k+2

print("")

func()

**PATTERN 5**

**1**

**23**

**345**

**4567**

def func():

k=1

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

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

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

print(j,end="")

k=k+1

print("")

func()

**PATTERN 6**

**1**

**12**

**123**

**1234**

def func():

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

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

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

print(j,end="")

print()

func()

**PATTERN 7**

**A**

**AB**

**ABC**

**ABCD**

def func():

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()

func()

**PATTERN 8**

**A**

**BC**

**DEF**

**GHIJ**

def func():

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()

func()