

Q.1 Write a program to generate a following structure:

```
@@@@@@
@@@@@
@@@@@      @@@@@
@@@@@
```

Q.2 Write a program to generate a following #'s triangle:

```
# # # # #
# # # #
# # #
# #
#
```

Q.3 Write a program to generate a following @'s triangle:

```
@ @ @ @ @
@ @ @ @
@ @ @
@ @
@
```

Q.4 Write a program to generate a following #'s triangle:-

```
#
# #
# # #
# # # #
# # # # #
```

Q.5 Write a program to generate a following @'s triangle:

```
    @
  @  @
 @  @  @
@  @  @  @
@  @  @  @  @
```

Q.6 Write a program to generate a following numbers structure:

```
12345
12345
12345
12345
12345
```

Q.7 Write a program to generate a following numbers structure:

```
54321
54321
54321
54321
54321
```

Q.8 Write a program to generate a following numbers structure:

```
55555
44444
33333
22222
11111
```

Q.9 Write a program to generate a following numbers structure:

```
11111
22222
33333
44444
55555
```

Q.10 Write a program to generate a following numbers structure:

```
1
12
123
1234
12345
```

Q.11 Write a program to generate a following numbers structure:

```
12345
1234
123
12
1
```

Q.12 Write a program to generate a following numbers structure:

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

Q.13 Write a program to generate a following numbers structure:

```
54321
4321
321
21
1
```

Q.14 Write a program to generate a following numbers structure:

```
1
21
321
4321
54321
```

Q.15 Write a program to generate a following numbers structure:

```
12345
1234
123
12
1
```

Q.16 Write a program to generate a following numbers structure:

```
1 2 3 4 5
  1 2 3 4
    1 2 3
      1 2
        1
```

Q.17 Write a program to generate a following numbers structure:

```
    1
  1 2 1
1 2 3 2 1
1 2 3 4 3 2 1
1 2 3 4 5 4 3 2 1
```

Q.18 Write a program to generate a following numbers structure:

```
1 2 3 4 5 4 3 2 1
 1 2 3 4 3 2 1
   1 2 3 2 1
    1 2 1
     1
```

Q.19 Write a C program to print the following triangle:

```
    *
  * * *
* * * * *
* * * * * * *
* * * * * * * *
```

* * * * *

Q.20 Write a C program to print Floyd's triangle:

```
1
2 3
4 5 6
7 8 9 10
```

Q.21 Write a C program to print Pascal triangle:

```
1
1 1
1 2 1
1 3 3 1
```

Q.22 Write a C program to print following character triangle:

```
A
B B
C C C
D D D D
```

Q.23 Write a C program to print following character triangle:

```
A
A B A
A B C B A
A B C D C B A
A B C D E D C B A
```

Q.24 Write a C program to print following character triangle:

```
A B C D E D C B A
B C D E D C B
C D E D C
D E D
```

E

Q.25 Write a c program for following number structure:

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
4 4 4 4
3 3 3
2 2
1
```

Q.26 Write a C program to display the string "INDIA" in following fashion:

```
I
IN
IND
INDI
INDIA
INDIA
INDI
IND
IN
I
```

Q.27 Write a C program to display the following character structure:

```
A
BB
CCC
DDDD
CCC
BB
A
```

Q.28 Write a C program to display the following number triangle:

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```

Q.29 Write a C program display the following number structure:

```
123454321
 2345432
  34543
   454
    5
```

Q.30. Write a C program to display the following number triangle structure:-

```
    1
   21
  321
 4321
54321
```

Q.31. Write a C program to display the following number triangle structure:

```
54321
 4321
 321
 21
 1
```


Q.32 Write a C program to print the following number pyramid:

```
  1
 2 2
3 3 3
4 4 4 4
5 5 5 5 5
6 6 6 6 6 6
```

Q.33 Write a C program to print the following number structure:

```
  1
 1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
```

Q.34 Write a C program to display the following rhombus symbol structure:

```
  *
 ***
*****
*****
*****
 ***
  *
```

Q.35 Write a C program to display the following number rhombus structure:

```
  1
 212
32123
4321234
 32123
  212
   1
```

Q.36 Write a C program to display the following number rhombus structure:

```
  1
 121
12321
1234321
 12321
  121
   1
```

Q.37 Write a C program to display the following character rhombus structure:

```
  A
 ABA
ABCBA
ABCDcba
 ABCBA
  ABA
   A
```

Q.38 Write a C program to display the following square character triangle:

```
A
ABA
ABCBA
ABCD CBA
```

Q.39 Write a C program to display the following square character triangle:

```
ABCD CBA
ABCBA
ABA
A
```

Q.40 Write a C program to display the following square character triangle:

```
A
AB
ABC
ABCD
ABCDE
ABCD
ABC
AB
A
```

Q.41 Write a C program to display the following square character triangle:

```
A
BA
CBA
DCBA
EDCBA
DCBA
CBA
BA
```

A

Q.42 Write a C program to print the following character triangle:

EDCBA

DCBA

CBA

BA

A

Q.43 Write a C program to print the following number design/triangle:

9

0 1

2 3 4

5 6 7 8

9 0 1 2 3

Q.44 Write a C program to print the following number rectangle:

12344321

123__321

12____21

1_____1

Q.45 Write a C program to print the following number pyramid or number structure:

1

1 2 3

1 2 3 4 5

1 2 3 4 5 6 7

1 2 3 4 5 6 7 8 9

Q.46 Write a C program for print the following number pyramid:

```
123456654321
1234554321
12344321
123321
1221
11
```

Q.47 Write a C program for print the following character pyramid:

```
ABCDEFEDCBA
ABCDEEDCBA
ABCDDCBA
ABCCBA
ABBA
AA
```

Q.48 Write a C program to print the following number pyramid:

```
1
222
33333
4444444
555555555
```

Q.49 Write a C program to print the following number triangle:

898
78987
6789876

Q.50 Write a C program to print the following number triangle:

5
45
345
2345
12345

Q.51 Write a C program to print the following number triangle:

5
454
34543
2345432
123454321

Q.52 Write a C program to print the following star structure/fashion:

```
*****
*****
*****
***
*
***
*****
*****
```

```
*****
```

Q.53 Write a C program to print the following rectangle number pyramid:

```
33333
32223
32123
32223
33333
```

Q.54 Write a C program to print the star triangle frame pyramid like as:

```
*
**
* *
*  *
*   *
*    *
*     *
*      *
*       *
*        *
*****
```

Q.55 Write a C program to print the following star pattern pyramid:

```
*
***
*****
```

Q.56 Write a C program to display the reverse star pyramid as:

```

*****
****   ****
***    ***
**     **
*      *

```

Q.57 Write a C program to display odd number series pyramid as:

```

1
3  5  7
9 11 13 15 17 19

```

Q.58 Write a C program to print the following number pyramid/triangle:

```

54321
5432
543
54
5

```

Q.59 Write a C program to print the number character pyramid as:

```

1
AB
123
ABCD
12345

```

Q.60 Write a C program to print the following Floyd triangle as:


```
    2 3
   4 5 6
  7 8 9 10
```

Q.61 Write a C program to print the following number pyramid:

```
1 2 3 4 5
 2 3 4 5
 3 4 5
 4 5
 5
```

Q.62 Write a C program to print the following character pyramid:

```
A
BA
ABA
BABA
ABABA
```

Q.63 Write a C program to accept the number of rows of pyramid and print the star pyramid as:if entered number by user is 7 then output would be:

```
*
**
***
****
***
**
*
```

Q.64 Write a C program to print the following number pyramid:

```
1
232
34543
4567654
```

Q.65 Write a C program to print the following number rectangle structure:

```
12321
12 21
1  1
12 21
12321
```

Q.66 Write a C program to print the following character rectangle design:

```
ABCBA
AB BA
A  A
AB BA
ABCBA
```

Q.67 Write a C program to print the following star triangle structure:

```
*****
*****
*****
***
*
*
```

Q.68 Write a C program to print the following number rectangle program:

```
1234
2341
3412
4123
```

Q.69 Write a C program to print the following character rectangle program:

```
ABCD
BCDA
CDAB
DABC
```

Q.70 Write a C program to print the following number pyramid program:

```
1234
 341
 12
 3
```

Q.71 Write a C program to print the following character pyramid program:

```
ABCD
 CDA
  AB
   C
```

Q.72 Write a C program to print the following number pyramid using function:

```
1
2 3
4 5 6
7 8 9 1
2 3 4 5 6
```

Q.73 Write a C program to print the following number pyramid:

```
1
123
12345
1234567
```

Q.74 Write a C program to print the following number pyramid:

```
1333
2222
3331
```

Q.75 Write a C program to print number character pyramid as:

```
1      a
21     ba
321    cba
4321   dcba
54321  edcba
```

Q.76 Write a C program to print 0 and 1 number triangle as:

```
1
01
```

```
010
1010
10101
```

Q.77 Write the 1 and 0 number pyramid program as:

```
1
01
101
0101
10101
```

Q.78 Print Square star pyramid as:

```
*****
*       *
*       *
*       *
*****
```

Q.79 Print Rectangle star pyramid as:

```
*****
*       *
*       *
*****
```

Q.80 Even-odd number star pyramid as:

```
1
*2
1*3
*2*4
1*3*5
```

Q.81 Print continue character number pyramid as:

1
A B
2 3 4
C D E F
5 6 7 8 9

Q.82 Print below nested star pyramid as:

```
*  ***  ***  *  
**  **  **  **  
***  *  *  ***
```

Q.83 Print any random number pyramid as:

4572
572
72
2

Q.84 Print the following number design:

1
23
4
56
7
89
10

Q.85 Design the following number pyramid:

1
121
1231

12341
123451

Q.86 Design the following continues number pyramid:

1
121
12321
1234321
123454321

Q.87 Print following alternative number-star pyramid
as:

1
2*2
3*3*3
4*4*4*4
4*4*4*4
3*3*3
2*2
1

Q.88 print diagonal star-zero pyramid as:

*000000
0*00000
00*0000
000*000
0000*00
00000*0
000000*

Q.89 Any number geometric sequence number pyramid as:

```
7
14 15
28 29 30 31
56 57 58 59 60 61 62 63
```

Q.90 Print the nested hash-star pyramid as:

```
#####*#####
#####*#*#####
###*####*###
##*#####*##
#*#####*#
*#####*
```

Q.91 Print half-square number triangle as:

```
543212345
 4321234
   32123
    212
     1
```

Q.92 Print equilateral triangle number as:

```
      5
     454
    34543
   2345432
  123454321
```

Q.93 Print positive-negative number triangle as:

```
9
8  6
7  5  3
```



```
4  2  0 -2
1 -1 -3 -5 -7
```

Q.94 print Star-Zero nested pattern as:

```
*000*000*
0*00*00*0
00*0*0*00
000***000
```

Q.95 Print the continuous vertical number pyramid as:

```
1
2  7
3  8 13
4  9 14 19
5 10 15 20 25
```

Q.96 Nested number character pyramid C program:

```
A
1
BB
22
CCC
333
```

Q.97 Nested two types symbol pyramid c program:

```
@
#
@@
##
@@@
###
```

Q.98 [Square number pyramid C program:](#)

```
1
1 4 9
1 4 9 16 25
1 4 9 16 25 36 49
1 4 9 16 25 36 49 64 81
```