

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
121
12321
1234321
123454321
```

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

```
123454321
1234321
12321
121
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:

N  
NE  
NEP  
NEPA  
NEPAL  
NEPA  
NEP  
NE  
N

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
ABCD CBA
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:

```
9
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:

```
1
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

Q.99 Draw the flag of Nepal:

\*

\*\*

\*\*\*

\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*

\*\*

\*\*\*

\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*

\*

\*

\*

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