Pattern Program Sheet

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  
12  
123  
1234  
12345  
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:  
12345  
1234  
123  
12  
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  
1 4 6 4 1  
  
  
Q.22 Write a C program to print following character triangle:  
A  
BB  
CCC  
DDDD  
  
  
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  
ABCDCBA  
  
  
Q.39 Write a C program to display the following square character triangle:  
ABCDCBA  
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:  
ABCDEFFEDCBA  
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