

Pattern printing programs

1	* * * * * * * * * * * *	8	* * * * * * * * * * * * * * *	15	* * * * * * * * * * * * * * * * * * * *	22	* * * * * * * * * * * * * * *	29	* * * * * * * * * * * * * * * * * * * *	36	* * * * * * * * * * * * * * * * * * *	43	* * * * * * * * * * * * * * * * * *
2	1 2 3 1 2 3 1 2 3	9	1 1 2 1 2 3 1 2 3 4 1 2 3 4 5	16	1 2 3 4 5 1 2 3 4 1 2 3 1 2 1	23	1 1 2 1 2 3 1 2 3 4 1 2 3 4 5	30	1 2 3 4 5 1 2 3 4 1 2 3 1 2 1	37	1 1 2 1 2 3 1 2 3 4 1 2 3 4 5	44	1 2 3 4 5 1 2 3 4 1 2 3 1 2 1
3	a b c a b c a b c	10	a a b a b c a b c d a b c d e	17	a b c d e a b c d a b c a b a	24	a a b a b c a b c d a b c d e	31	a b c d e a b c d a b c a b a	38	a a b a b c a b c d a b c d e	45	a b c d e a b c d a b c a b a
4	A A A B B B C C C	11	A B B C C C D D D D E E E E E	18	A A A A A B B B B C C C D D E	25	A B B C C C D D D D E E E E E	32	A A A A A B B B B C C C D D E	39	A B B C C C D D D D E E E E E	46	A A A A A B B B B C C C D D E
5	1 1 1 2 2 2 3 3 3	12	1 2 2 3 3 3 4 4 4 4 5 5 5 5 5	19	5 5 5 5 5 4 4 4 4 3 3 3 2 2 1	26	1 2 2 3 3 3 4 4 4 4 5 5 5 5 5	33	5 5 5 5 5 4 4 4 4 3 3 3 2 2 1	40	1 2 2 3 3 3 4 4 4 4 5 5 5 5 5	47	5 5 5 5 5 4 4 4 4 3 3 3 2 2 1
6	1 2 3 4 5 6 7 8 9	13	Floyd's Triangle 1 2 3 4 5 6 7 8 9 10	20	1 2 3 4 5 6 7 8 9 10	27	1 2 3 4 5 6 7 8 9 10	34	1 2 3 4 5 6 7 8 9 10	41	1 2 3 4 5 6 7 8 9 10	48	1 2 3 4 5 6 7 8 9 10
7	a b c d e f g h i	14	a b c d e f g h i j	21	a b c d e f g h i j	28	a b c d e f g h i j	35	a b c d e f g h i j	42	a b c d e f g h i j	49	a b c d e f g h i j
50	1 1 2 1 2 3 1 2 3 4					51	A B C D E F G H I J					52	a b c d e f g h i j
53	* *					54	1 1 2 3 1 2 3 4 5 1 2 3 4 5 6 7 1 2 3 4 5 1 2 3 1					55	a a b c a b c d e a b c d e f g a b c d e a b c a
56	Hello Everybody! Hello Everybody Hello Everybod Hello Everybo Hello Everyb Hello Every Hello Ever Hello Eve Hello Ev Hello E Hello Hello Hell Hel He H					57	PASCAL TRIANGLE 1 1 1 1 2 1 1 3 3 1 1 4 6 4 1 1 5 10 10 5 1 1 6 15 20 15 6 1					58	1 2 3 2 3 4 5 4 3 4 5 6 7 6 5 4 5 6 7 8 9 8 7 6 5

59	1 4 9 16 25 36 49 64 81 100 121 144 169 196 225 256 289 324 361 400 441 484 529 576 625	60	0 909 89098 7890987 678909876 56789098765 4567890987654 345678909876543 23456789098765432 1234567890987654321	61	A B C D E F G F E D C B A A B C D E F F E D C B A A B C D E E D C B A A B C D D C B A A B C C B A A B B A A A
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Programs on Strings

1. Write a C program to find length of a string.
2. Write a C program to copy one string to another string.
3. Write a C program to concatenate two strings.
4. Write a C program to compare two strings.
5. Write a C program to convert lowercase string to uppercase.
6. Write a C program to convert uppercase string to lowercase.
7. Write a C program to toggle case of each character of a string.
8. Write a C program to find total number of alphabets, digits or special character in a string.
9. Write a C program to count total number of vowels and consonants in a string.
10. Write a C program to count total number of words in a string.
11. Write a C program to find reverse of a string.
12. Write a C program to check whether a string is palindrome or not.
13. Write a C program to reverse order of words in a given string.
14. Write a C program to find first occurrence of a character in a given string.
15. Write a C program to find last occurrence of a character in a given string.
16. Write a C program to search all occurrences of a character in given string.
17. Write a C program to count occurrences of a character in given string.
18. Write a C program to find highest frequency character in a string.
19. Write a C program to find lowest frequency character in a string.
20. Write a C program to count frequency of each character in a string.
21. Write a C program to remove first occurrence of a character from string.
22. Write a C program to remove last occurrence of a character from string.
23. Write a C program to remove all occurrences of a character from string.
24. Write a C program to remove all repeated characters from a given string.
25. Write a C program to replace first occurrence of a character with another in a string.
26. Write a C program to replace last occurrence of a character with another in a string.
27. Write a C program to replace all occurrences of a character with another in a string.
28. Write a C program to find first occurrence of a word in a given string.
29. Write a C program to find last occurrence of a word in a given string.
30. Write a C program to search all occurrences of a word in given string.
31. Write a C program to count occurrences of a word in a given string.
32. Write a C program to remove first occurrence of a word from string.
33. Write a C program to remove last occurrence of a word in given string.
34. Write a C program to remove all occurrence of a word in given string.
35. Write a C program to trim leading white space characters from given string.
36. Write a C program to trim trailing white space characters from given string.
37. Write a C program to trim both leading and trailing white space characters from given string.
38. Write a C program to remove all extra blank spaces from given string.