1. [Write a C program to find sum of first and last digit of a number.](https://codeforwin.org/2015/06/c-program-to-find-sum-of-first-and-last-digit-of-number.html)
2. [Write a C program to swap first and last digits of a number](https://codeforwin.org/2016/01/c-program-to-swap-first-and-last-digit-of-number.html).
3. [Write a C program to calculate sum of digits of a number](https://codeforwin.org/2015/06/c-program-to-calculate-sum-of-digits.html).
4. [Write a C program to calculate product of digits of a number](https://codeforwin.org/2015/06/c-program-to-calculate-product-of-digits.html).
5. [Write a C program to enter a number and print its reverse](https://codeforwin.org/2015/06/c-program-to-find-reverse-of-any-number.html).
6. [Write a C program to check whether a number is palindrome or not.](https://codeforwin.org/2015/06/c-program-to-check-whether-number-is-palindrome-or-not.html)
7. [Write a C program to find frequency of each digit in a given integer](https://codeforwin.org/2016/10/c-program-to-count-frequency-of-digits-in-number.html).
8. [Write a C program to enter a number and print it in words.](https://codeforwin.org/2015/06/c-program-to-print-numbers-in-words.html)
9. [Write a C program to print all ASCII character with their values](https://codeforwin.org/2015/06/c-program-to-print-ascii-values-of-all-characters.html).
10. [Write a C program to find power of a number using for loop](https://codeforwin.org/2015/07/c-program-to-find-power-of-number-using-for-loop.html).
11. [Write a C program to find all factors of a number](https://codeforwin.org/2015/06/c-program-to-print-factors-of-any-number.html).
12. [Write a C program to calculate factorial of a number](https://codeforwin.org/2015/06/c-program-to-calculate-factorial-of-any-number.html).
13. [Write a C program to find HCF (GCD) of two numbers](https://codeforwin.org/2015/06/c-program-to-find-hcf-of-two-numbers.html).
14. [Write a C program to find LCM of two numbers](https://codeforwin.org/2015/06/c-program-to-find-lcm-of-two-numbers.html).
15. [Write a C program to check whether a number is Prime number or not.](https://codeforwin.org/2015/06/c-program-to-check-prime-number.html)
16. [Write a C program to print all Prime numbers between 1 to n.](https://codeforwin.org/2015/06/c-program-to-print-all-prime-numbers-between-1-to-n.html)
17. [Write a C program to find sum of all prime numbers between 1 to n](https://codeforwin.org/2015/06/c-program-to-find-sum-of-all-prime.html).
18. [Write a C program to find all prime factors of a number](https://codeforwin.org/2015/06/c-program-to-find-all-prime-factors-of-any-number.html).
19. [Write a C program to check whether a number is Armstrong number or not.](https://codeforwin.org/2015/06/c-program-to-check-armstrong-number.html)
20. [Write a C program to print all Armstrong numbers between 1 to n.](https://codeforwin.org/2015/06/c-program-to-print-first-n-armstrong-numbers.html)
21. [Write a C program to check whether a number is Perfect number or not](https://codeforwin.org/2015/06/c-program-to-check-perfect-number.html).
22. [Write a C program to print all Perfect numbers between 1 to n](https://codeforwin.org/2015/06/c-program-to-print-all-perfect-numbers-between-1-to-n.html).
23. [Write a C program to check whether a number is Strong number or not](https://codeforwin.org/2015/06/c-program-to-check-strong-number.html).
24. [Write a C program to print all Strong numbers between 1 to n](https://codeforwin.org/2015/06/c-program-to-print-all-strong-numbers.html).
25. [Write a C program to print Fibonacci series up to n terms](https://codeforwin.org/2015/06/fibonacci-series-in-c-program.html).
26. [Write a C program to find one's complement of a binary number](https://codeforwin.org/2015/08/c-program-to-find-ones-complement-of-binary-number.html).
27. [Write a C program to find two's complement of a binary number](https://codeforwin.org/2015/08/c-program-to-find-twos-complement-of-binary-number.html).
28. [Write a C program to convert Binary to Octal number system](https://codeforwin.org/2015/08/c-program-to-convert-binary-to-octal-number-system.html).
29. [Write a C program to convert Binary to Decimal number system](https://codeforwin.org/2015/08/c-program-to-convert-binary-to-decimal-number-system.html).
30. [Write a C program to convert Binary to Hexadecimal number system](https://codeforwin.org/2015/08/c-program-to-convert-binary-to-hexadecimal-number-system.html).
31. [Write a C program to convert Octal to Binary number system](https://codeforwin.org/2015/08/c-program-to-convert-octal-to-binary-number-system.html).
32. [Write a C program to convert Octal to Decimal number system](https://codeforwin.org/2015/08/c-program-to-convert-octal-to-decimal-number-system.html).
33. [Write a C program to convert Octal to Hexadecimal number system](https://codeforwin.org/2015/08/c-program-to-convert-octal-to-hexadecimal-number-system.html).
34. [Write a C program to convert Decimal to Binary number system](https://codeforwin.org/2015/08/c-program-to-convert-from-decimal-to-binary-number-system.html).
35. [Write a C program to convert Decimal to Octal number system](https://codeforwin.org/2015/08/c-program-to-convert-decimal-to-octal-number-system.html).
36. [Write a C program to convert Decimal to Hexadecimal number system](https://codeforwin.org/2015/08/c-program-to-convert-decimal-to-hexadecimal-number-system.html).
37. [Write a C program to convert Hexadecimal to Binary number system](https://codeforwin.org/2015/08/c-program-to-convert-hexadecimal-to-binary-number-system.html).
38. [Write a C program to convert Hexadecimal to Octal number system](https://codeforwin.org/2015/09/c-program-to-convert-hexadecimal-to-octal-number-system.html).
39. [Write a C program to convert Hexadecimal to Decimal number system](https://codeforwin.org/2015/09/c-program-to-convert-hexadecimal-to-decimal-number-system.html).
40. [Write a C program to print Pascal triangle upto n rows](https://codeforwin.org/2015/07/c-program-to-print-pascal-triangle.html).
41. [Star pattern programs - Write a C program to print the given star patterns.](https://codeforwin.org/2015/07/star-patterns-program-in-c.html)

[\*](https://codeforwin.org/2015/07/equilateral-triangle-star-pattern-program-in-c.html)

[\*\*\*](https://codeforwin.org/2015/07/equilateral-triangle-star-pattern-program-in-c.html)

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[\*\*\*\*\*\*\*](https://codeforwin.org/2015/07/equilateral-triangle-star-pattern-program-in-c.html)

[\*\*\*\*\*\*\*\*\*](https://codeforwin.org/2015/07/equilateral-triangle-star-pattern-program-in-c.html)

[Pyramid Star Pattern](https://codeforwin.org/2015/07/equilateral-triangle-star-pattern-program-in-c.html)

[\*](https://codeforwin.org/2015/07/c-program-to-print-hollow-pyramid-star-pattern.html)

[\* \*](https://codeforwin.org/2015/07/c-program-to-print-hollow-pyramid-star-pattern.html)

[\* \*](https://codeforwin.org/2015/07/c-program-to-print-hollow-pyramid-star-pattern.html)

[\* \*](https://codeforwin.org/2015/07/c-program-to-print-hollow-pyramid-star-pattern.html)

[\*\*\*\*\*\*\*\*\*](https://codeforwin.org/2015/07/c-program-to-print-hollow-pyramid-star-pattern.html)

[Hollow Pyramid Star Pattern](https://codeforwin.org/2015/07/c-program-to-print-hollow-pyramid-star-pattern.html)

[\*\*\*\*\*\*\*\*\*](https://codeforwin.org/2015/07/reverse-pyramid-star-pattern-in-c.html)

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[\*\*\*](https://codeforwin.org/2015/07/reverse-pyramid-star-pattern-in-c.html)

[\*](https://codeforwin.org/2015/07/reverse-pyramid-star-pattern-in-c.html)

[Inverted Pyramid Star Pattern](https://codeforwin.org/2015/07/reverse-pyramid-star-pattern-in-c.html)

[\*\*\*\*\*\*\*\*\*](https://codeforwin.org/2015/07/c-program-to-print-hollow-inverted-pyramid-star-pattern.html)

[\* \*](https://codeforwin.org/2015/07/c-program-to-print-hollow-inverted-pyramid-star-pattern.html)

[\* \*](https://codeforwin.org/2015/07/c-program-to-print-hollow-inverted-pyramid-star-pattern.html)

[\* \*](https://codeforwin.org/2015/07/c-program-to-print-hollow-inverted-pyramid-star-pattern.html)

[\*](https://codeforwin.org/2015/07/c-program-to-print-hollow-inverted-pyramid-star-pattern.html)

[Hollow Inverted Pyramid Star Pattern](https://codeforwin.org/2015/07/c-program-to-print-hollow-inverted-pyramid-star-pattern.html)

[\*](https://codeforwin.org/2015/07/c-program-to-print-half-diamond-star-pattern.html)

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[\*\*\*](https://codeforwin.org/2015/07/c-program-to-print-half-diamond-star-pattern.html)

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[\*\*\*](https://codeforwin.org/2015/07/c-program-to-print-half-diamond-star-pattern.html)

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[\*](https://codeforwin.org/2015/07/c-program-to-print-half-diamond-star-pattern.html)

[Half Diamond Star Pattern](https://codeforwin.org/2015/07/c-program-to-print-half-diamond-star-pattern.html)

[\*](https://codeforwin.org/2015/07/c-program-to-print-mirrored-half-diamond-star-pattern.html)

[\*\*](https://codeforwin.org/2015/07/c-program-to-print-mirrored-half-diamond-star-pattern.html)

[\*\*\*](https://codeforwin.org/2015/07/c-program-to-print-mirrored-half-diamond-star-pattern.html)

[\*\*\*\*](https://codeforwin.org/2015/07/c-program-to-print-mirrored-half-diamond-star-pattern.html)

[\*\*\*\*\*](https://codeforwin.org/2015/07/c-program-to-print-mirrored-half-diamond-star-pattern.html)

[\*\*\*\*](https://codeforwin.org/2015/07/c-program-to-print-mirrored-half-diamond-star-pattern.html)

[\*\*\*](https://codeforwin.org/2015/07/c-program-to-print-mirrored-half-diamond-star-pattern.html)

[\*\*](https://codeforwin.org/2015/07/c-program-to-print-mirrored-half-diamond-star-pattern.html)

[\*](https://codeforwin.org/2015/07/c-program-to-print-mirrored-half-diamond-star-pattern.html)

[Mirrored Half Diamond Star Pattern](https://codeforwin.org/2015/07/c-program-to-print-mirrored-half-diamond-star-pattern.html)

1. [Number pattern programs - Write a C program to print the given number patterns](https://codeforwin.org/2016/06/number-pattern-programs-in-c.html)

**Square number patterns**

[11111](https://codeforwin.org/2016/06/c-program-to-print-0-1-square-number-pattern.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-0-1-square-number-pattern.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-0-1-square-number-pattern.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-0-1-square-number-pattern.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-0-1-square-number-pattern.html)

[Number pattern 1](https://codeforwin.org/2016/06/c-program-to-print-0-1-square-number-pattern.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-number-pattern-with-0-1-at-alternate-rows.html)

[00000](https://codeforwin.org/2016/06/c-program-to-print-number-pattern-with-0-1-at-alternate-rows.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-number-pattern-with-0-1-at-alternate-rows.html)

[00000](https://codeforwin.org/2016/06/c-program-to-print-number-pattern-with-0-1-at-alternate-rows.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-number-pattern-with-0-1-at-alternate-rows.html)

[Number pattern 2](https://codeforwin.org/2016/06/c-program-to-print-number-pattern-with-0-1-at-alternate-rows.html)

[01010](https://codeforwin.org/2016/06/c-program-to-print-number-pattern-with-1-0-at-alternate-columns.html)

[01010](https://codeforwin.org/2016/06/c-program-to-print-number-pattern-with-1-0-at-alternate-columns.html)

[01010](https://codeforwin.org/2016/06/c-program-to-print-number-pattern-with-1-0-at-alternate-columns.html)

[01010](https://codeforwin.org/2016/06/c-program-to-print-number-pattern-with-1-0-at-alternate-columns.html)

[01010](https://codeforwin.org/2016/06/c-program-to-print-number-pattern-with-1-0-at-alternate-columns.html)

[Number pattern 3](https://codeforwin.org/2016/06/c-program-to-print-number-pattern-with-1-0-at-alternate-columns.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-box-number-pattern-with-1-0.html)

[10001](https://codeforwin.org/2016/06/c-program-to-print-box-number-pattern-with-1-0.html)

[10001](https://codeforwin.org/2016/06/c-program-to-print-box-number-pattern-with-1-0.html)

[10001](https://codeforwin.org/2016/06/c-program-to-print-box-number-pattern-with-1-0.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-box-number-pattern-with-1-0.html)

[Number pattern 4](https://codeforwin.org/2016/06/c-program-to-print-box-number-pattern-with-1-0.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-box-number-pattern-of-1-with-0-center.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-box-number-pattern-of-1-with-0-center.html)

[11011](https://codeforwin.org/2016/06/c-program-to-print-box-number-pattern-of-1-with-0-center.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-box-number-pattern-of-1-with-0-center.html)

[11111](https://codeforwin.org/2016/06/c-program-to-print-box-number-pattern-of-1-with-0-center.html)

[Number pattern 5](https://codeforwin.org/2016/06/c-program-to-print-box-number-pattern-of-1-with-0-center.html)

[10101](https://codeforwin.org/2016/06/c-program-to-print-chessboard-number-pattern-of-1-0.html)

[01010](https://codeforwin.org/2016/06/c-program-to-print-chessboard-number-pattern-of-1-0.html)

[10101](https://codeforwin.org/2016/06/c-program-to-print-chessboard-number-pattern-of-1-0.html)

[01010](https://codeforwin.org/2016/06/c-program-to-print-chessboard-number-pattern-of-1-0.html)

[10101](https://codeforwin.org/2016/06/c-program-to-print-chessboard-number-pattern-of-1-0.html)

If…Else Exercises

1. [Write a C program to find maximum between two numbers.](https://codeforwin.org/2015/05/c-program-to-find-maximum-between-two-numbers.html)
2. [Write a C program to find maximum between three numbers.](https://codeforwin.org/2015/05/c-program-to-find-maximum.html)
3. [Write a C program to check whether a number is negative, positive or zero.](https://codeforwin.org/2015/05/c-program-to-check-negative-positive-zero.html)
4. [Write a C program to check whether a number is divisible by 5 and 11 or not.](https://codeforwin.org/2015/05/c-program-to-check-whether-number-is-divisible-by-5-and-11.html)
5. [Write a C program to check whether a number is even or odd.](https://codeforwin.org/2015/05/c-program-to-check-even-odd.html)
6. [Write a C program to check whether a year is leap year or not.](https://codeforwin.org/2015/05/c-program-to-check-leap-year.html)
7. [Write a C program to check whether a character is alphabet or not.](https://codeforwin.org/2015/05/c-program-to-check-alphabet.html)
8. [Write a C program to input any alphabet and check whether it is vowel or consonant.](https://codeforwin.org/2015/05/c-program-to-check-vowel-or-consonant.html)
9. [Write a C program to input any character and check whether it is alphabet, digit or special character.](https://codeforwin.org/2015/05/c-program-to-check-alphabet-digit-special-character.html)
10. [Write a C program to check whether a character is uppercase or lowercase alphabet](https://codeforwin.org/2015/09/c-program-to-check-whether-character-is-uppercase-or-lowercase.html).
11. [Write a C program to input week number and print week day](https://codeforwin.org/2015/05/c-program-to-print-week-name.html).
12. [Write a C program to input month number and print number of days in that month.](https://codeforwin.org/2015/05/c-program-to-print-number-of-days-in-month.html)
13. [Write a C program to count total number of notes in given amount](https://codeforwin.org/2015/07/c-program-to-count-total-number-of-notes.html).
14. [Write a C program to input month number and print number of days in that month.](https://codeforwin.org/2015/05/c-program-to-print-number-of-days-in-month.html)
15. [Write a C program to count total number of notes in given amount](https://codeforwin.org/2015/07/c-program-to-count-total-number-of-notes.html).
16. [Write a C program to input angles of a triangle and check whether triangle is valid or not.](https://codeforwin.org/2015/05/c-program-to-check-whether-triangle-is-valid-or-not.html)
17. [Write a C program to input all sides of a triangle and check whether triangle is valid or not.](https://codeforwin.org/2015/05/c-program-to-check-whether-triangle-side-is-valid-or-not.html)
18. [Write a C program to check whether the triangle is equilateral, isosceles or scalene triangle.](https://codeforwin.org/2015/05/c-program-to-check-whether-triangle-is-equilateral-isosceles-scalene.html)
19. [Write a C program to find all roots of a quadratic equation](https://codeforwin.org/2016/04/c-program-to-find-all-roots-of-quadratic-equation.html).
20. [Write a C program to calculate profit or loss.](https://codeforwin.org/2015/05/c-program-to-check-profit-or-loss.html)
21. [Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:](https://codeforwin.org/2015/05/c-program-to-enter-student-marks-and-calculate-percentage-and-grade.html)  
    Percentage >= 90% : Grade A  
    Percentage >= 80% : Grade B  
    Percentage >= 70% : Grade C  
    Percentage >= 60% : Grade D  
    Percentage >= 40% : Grade E  
    Percentage < 40% : Grade F
22. [Write a C program to input basic salary of an employee and calculate its Gross salary according to following:](https://codeforwin.org/2015/05/c-program-to-calculate-gross-salary-of-employee.html)  
    Basic Salary <= 10000 : HRA = 20%, DA = 80%  
    Basic Salary <= 20000 : HRA = 25%, DA = 90%  
    Basic Salary > 20000 : HRA = 30%, DA = 95%
23. [Write a C program to input electricity unit charges and calculate total electricity bill according to the given condition:](https://codeforwin.org/2015/05/c-program-to-calculate-electricity-bill.html)  
    For first 50 units Rs. 0.50/unit  
    For next 100 units Rs. 0.75/unit  
    For next 100 units Rs. 1.20/unit  
    For unit above 250 Rs. 1.50/unit  
    An additional surcharge of 20% is added to the bill