

1. Write a C program to calculate sum of two integer's numbers and print it.
 2. Write a C Program to display square and cube of a number.
 3. Write a C Program to find area of circle.
 4. Write a C Program to interchange values of two numbers using third variable.
 5. Write a C Program to interchange values of two numbers without using third variable
 6. Write a C Program to convert Km value into meter value.
 7. Write a C Program to convert Kg value into gram value.
 8. Write a C Program to input all marks of all the subjects and display total and percentage.
 9. Write a C Program to input quantity and price of an item and display total Rs. on screen. Also input discount (%) and display final payment Rs. on screen.
 10. Write a C Program to input total selling of salesman and calculate 25% commission on selling and display it.
 11. Write a C Program to input any ASCII number and display appropriate character on screen.
 12. Write a C Program to find area of a rectangle (Hint: $A = l*b$)
 13. Write a C Program to find area of a triangle (Hint: $A = \frac{1}{2} * h*b$)
 14. Write a C Program to input any Capital letter and display it with small letter.
 15. Write a C Program to input any Small letter and display it with capital letter.
 16. Write a C Program to input three digits number from user and calculate sum of first and last numbers. (Hint : I/p : **358** O/p : 11)
 17. Write a C Program to input two digits number from user and display with reverse number on screen (Hint: I/P: 32 O/P: 23)
 18. Write a C Program to display greater number from two numbers.
 19. Write a C Program to input price, quantity of an item from user and display final payment according to following condition. If total purchase is greater than 1000 Rs. then calculate discount 15% otherwise calculate 10% of total rs.
 20. Write a C Program to accept marks of all the subjects and display total marks, percentage and result whether the student is pass or fail. (Passing mark is 40)
 21. Write a C Program to accept marks of all the subjects and display total marks, percentage, class and result whether the student is pass or fail. (Passing mark is 40).
 22. Write a C Program to check whether the enter year is leap year or not.
 23. Write a C Program to check whether the enter number is odd or even.
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24. Write a program in C to display message `\\This is my first program\\` in single quote.

25. Write a program in C to display the table of any given number.

26. Write a program in C to display all even and odd numbers from m to n. The values of m and n are given by user.

27. Write a program in C to display sum of all digits of any given number.

28. Write a program in C to display factorial of any given number.

29. Write a program in C to display numbers and sum of all integers between 100 and 200 that are divisible by 6.

30. Write a program in C to display the following pattern-

```
1
2 3
4 5 6
7 8 9 10
.
.
.
N lines
```

31. Write a program in C to display the following pattern-

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

32. Write a program in C to display the following pattern-

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

33. Write a program in C to display the following pattern-

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

34. Write a program in C to display the following pattern-

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

.....

..... n lines

35. Check if a number is even or odd

36. Check if a number is a power of 2. Note, powers of 2 only have 1 bit that is set

37. Test if the nth bit is set (n = 0, 1, 2,...)

38. Set the nth bit

39. Unset the nth bit

40. Toggle the nth bit

Note: - do 35-40 programs by using bitwise operators only
