

1. Write a C program to print 1-10.

Sample Output:

1
2
3
4
5
6
7
8
9
10

2. Write c Program to print 10-1

Sample Output

10
9
8
7
6
5
4
3
2
1

3. Print all even numbers between 1-10.

Sample Output:

2
4
6
8

10

4. Find the sum of numbers in a given range of 1 to n. n is a number entered by the user..

Sample Input

Enter the value of n: 10

Sample Output

Sum: 55

5. Find the sum of all even numbers in a range 1 to n.

Sample Input

Enter the value of n: 5

Sample Output

Sum: 6

6. Take a number from the user and print the multiplication tables of that number.

Sample Input

Enter the Number: 10

Sample Output

10 x 1 = 10

10 x 2 = 20

10 x 3 = 30

10 x 4 = 40

10 x 5 = 50

10 x 6 = 60

10 x 7 = 70

10 x 8 = 80

10 x 9 = 90

10 x 10 = 100

7. Take a number from the user and print the factorial of that number.

Sample Input:

Enter a Number: 5

Sample Output:

Factorial = 120

8. Take a number from the user and print the proper divisor of that number.

Sample Input:

Enter a Number: 9

Sample Output:

Divisors = 1, 3

9. Write a program to count the number of digits in a given number.

Sample Input:

Enter a Number: 123452

Sample Output:

Total digits: 6

10. Write a program to calculate the sum of the first and the last digits in a given number.

Sample Input:

Enter a Number: 403

Sample Output:

Sum = 7

11. Write a program to calculate the **sum of the digits** in a given number.

Sample Input:

Enter a Number: 9012

Sample Output:

Sum = 12

12. Write a program to print the **reverse** of a given number.

Sample Input:

Enter a Number: 231

Sample Output:

Reverse = 123

13. Write a program to check whether a given number is a **palindrome** or not.

Sample Input:

Enter a Number: 404

Sample Output:

Palindrome

14. Take a number from the user and print that number in words.

Sample Input:

Enter a Number: 1022

Sample Output:

One Zero Two Two

15. Take a number from the user and check whether it is a perfect number or not.

Sample Input:

Enter a Number: 6

Sample Output:

Perfect Number

16. Take a number from the user and check whether it is an armstrong number or not.

Sample Input:

Enter a Number: 111

Sample Output:

Armstrong number

17. Take a number from the user and check if the number is a prime number or not.

Sample Input:

Enter a Number: 7

Sample Output:

7 is a prime number

18. Write a program to print all the prime numbers in a range of 1-n.

Sample Input

Enter the value of n: 10

Sample Output

Prime Numbers

2,3,5,7

19. Write a program to print all the sum of prime numbers in a range of 1-n.

Sample Input
Enter the value of n: 10

Sample Output
Prime Numbers
2,3,5,7
Sum = 17

20. Write a C program to print the following shape of the star [use nested loop].

Sample Input

Enter a number: 4

Sample Output

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

21. Write a C program to print the following shape of the star[use nested error]

Sample Input

Enter a number: 4

Sample Output

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

22. Write a C program to print the following shape of the star[use nested error]

Sample Input

Enter a number: 4

Sample Output

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

23. Write a C program to print the following shape of the star[use nested error]

Sample Input

Enter a number: 3

Sample Output

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

24. Write a C program to print the following shape of the star[use nested error]

Sample Input

Enter a number: 3

Sample Output

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

25. Write a C program to print the following shape of the star[use nested error]

Sample Input

Enter a number: 3

Sample Output

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

26. Write a c-program to print the following shape. But in this program you can use only one loop.

Input: 5

Output:

```
0  
00  
000  
0000  
00000
```

27. Write a c-program to print the following shape. But in this program you can use only one loop.

Input: 5

Output:

```
0
00
000
0000
00000
```

28. Write a c-program to print the following shape. But in this program you can use only one loop.

Input: 4

Output:

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

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

29. Write a c-program to print the following shape. But in this program you can use only one loop.

Input: 4

Output:

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

1 2 3 4

30. Write a c-program to print the following shape. But in this program you can use only one loop.

Input: 4

Output:

1 2 3 4

1 2 3

1 2

1

31. Write a program in C to make such a pattern like a pyramid with numbers increased by 1.

The pattern like :

1

2 3

4 5 6

7 8 9 10

32. Write a program in C to print the Floyd's Triangle.

1

01

101

0101

10101

33. Write a C Program to display the pattern like a pyramid using the alphabet.

```
A
A B A
A B C B A
A B C D C B A
```

34. Write a C program to print the following shape of the star[use nested error]

Sample Input	Sample Output
5	<pre>* ** *** **** ***** ***** ***** **** *** ** *</pre>

35. Write a C program to print the following shape of the star[use nested error]

Sample Input	Sample Output
5	<pre>\$ @ @ @ @ # \$ @ @ @ # # \$ @ @ # # # \$ @ # # # # \$</pre>

36. Write a C program to print the following shape of the star[use nested error]

Sample Input	Sample Output
5	<pre> ##### ### ### ## ## # # # # ## ## ### ### ##### </pre>

37. Write a C program to print the following shape of the star[use nested error]

Sample Input	Sample Output
5	<pre> @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ </pre>

38. Write a C program to print the following shape of the star[use nested error]

Sample Input	Sample Output
5	<pre> @ @ @ @ ? @ @ @ @ </pre>

39. Write a C program to print the following shape of the star[use nested error]

Sample Input	Sample Output
5	<pre> * * *** *** ***** *** *** * *</pre>

40.

Write a program to calculate the sum of numbers in a range from 1-20. Then check whether that sum is even or odd.