

**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

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

Sample Input

Enter a number: 4

Sample Output

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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.