





Print the following pattern Write a program to print the following number pattern using a loop.





Calculate the sum of all numbers from 1 to a given number Write a program to accept a number from a user and calculate the sum of all numbers from 1 to a given number

For example, if the user entered 10 the output should be 55 (1+2+3+4+5+6+7+8+9+10)

Expected Output:

Enter number 10 Sum is: 55





Write a program to print multiplication table of a given number

For example, num = 2 so the output should be

Q

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Write a program to display only those numbers from a list that satisfy the following conditions

The number must be divisible by five
If the number is greater than 150, then skip it and move to
the next number
If the number is greater than 500, then stop the loop
Given:

numbers = [12, 75, 150, 180, 145, 525, 50] Expected output:

75 150



Write a program to display all prime numbers within a range Note: A Prime Number is a number that cannot be made by multiplying other whole numbers. A prime number is a natural number greater than 1 that is not a product of two smaller natural numbers



Examples:

6 is not a prime mumber because it can be made by 2×3 = 6 37 is a prime number because no other whole numbers multiply together to make it. Given:

range start = 25 end = 50 Expected output:

Prime numbers between 25 and 50 are:

29

31

37

41

43





Display Fibonacci series up to 10 terms
The Fibonacci Sequence is a series of numbers. The next
number is found by adding up the two numbers before it.
The first two numbers are 0 and 1.

For example, 0, 1, 1, 2, 3, 5, 8, 13, 21. The next number in this series above is 13+21 = 34.

Expected output:

Fibonacci sequence: 0 1 1 2 3 5 8 13 21 34





Print the following pattern
Write a program to print the following start pattern using the for loop

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