

TOPIC: ITERATION STATEMENTS - for loop

1.	Write a program to accept an integer and generate the divisors of that integer. Eg: If the number is 6 then its divisors are 1 2 3 6
2.	Write a program to accept the number of terms of the Fibonacci series and print the series till that term. ie., 0 1 1 2 3 5 8
3.	Write a program to print the sum of the following series. Accept the value for 'x' and the number of terms of the series. $1 - x^2 + x^4 - x^6 + \dots x^n$
4.	Write a program to accept the number of lines and print the following pattern. Eg: If the number of lines is 4, then the pattern should be as follows. <pre> 1 1 2 1 2 3 1 2 3 4 </pre>
5.	Write a program to accept an integer and print the multiplication table of that number till 10 in the following format. Eg: if number is 5 <pre> 5 x 1 = 5 5 x 2 = 10 5 x 3 = 15 . . 5 x 10 = 50 </pre>
6.	Write a program to accept the number of lines and print the following pattern. Eg: If the number of lines is 3, then the pattern should be as follows. <pre> A A B A B C </pre>
7.	Write a program to accept an integer and display the factorial of that number. Eg: if the number is 3 then 3! is 6.
8.	Write a program to accept an integer and display the reversed integer (store the reversed number in a variable). Eg: If the number is 267 then the reversed number is 762