



INDIAN SCHOOL MUSCAT
SENIOR SECTION
DEPARTMENT OF COMPUTER SCIENCE
CLASS XI
WORKSHEET - 5
TOPIC: ITERATIVE STATEMENTS- for Loop

1. Write a program to accept an integer and find the factorial of it and display it.
2. Write a program to input an integer and print the multiplication table of it till 10.
 Eg: if the integer accepted is 5, then the output should be as follows, till 5 x 10 = 50
 5 x 1 = 5
 5 x 2 = 10
3. Write a program to input an integer and check whether it is a perfect number or not and display with proper messages.
4. Write a program to accept an integer and check whether it is a prime number or not.
5. Write a program to accept the number of terms of the Fibonacci series and print the series the series is 0 1 1 2 3 5 8.....
6. Write a program to print the series 1 4 7 10 13 16 19 22 25 28 31 34 37 40
7. Write a program to print the sum of the following series. Accept the value for 'X' and the number of terms of the series.

$$x - \frac{x^2}{2!} + \frac{x^3}{3!} - \frac{x^4}{4!} + \dots$$



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