

**APPRENTICESHIP**

**SET 17 – C Programming Language**

**(do-While Loop)**

1. Write a program to print the number from 1 to 100 which are divisible by 4 and 5.
2. Write a program to print the numbers upto n and print line after each 4 numbers.
3. Write a program to find sum of n numbers.
4. Write a program to find the factorial of a number.
5. Write a program to perform 5 arithmetic operations based on users given choice and ask the user to continue or not.
6. Write a program to print the colors of rainbow using switch case for the given character to the user and ask whether to continue or not.
7. Write a program to print the sum of the following series  $1 + 1/2 + 1/3 + 1/4 + 1/5 + \dots + n$
8. Write a program to find the sum of the series  $S = \frac{1}{1^1} + \frac{2}{2^2} + \frac{3}{3^3} + \dots + n$
9. Write a program to illustrate the use of goto Statement
10. Write a program to illustrate the use of continue Statement

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