EXERCISES ON LOOPS
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1. Write a program to print your name 10 times.
2. Write a program to print no between 1 to n.
3. Write a program to print number which is divisible by 5 & 10 between 1 to n.
4. Write a program to print number which is divisible by 5 or 10 between 1 to n.
5. Write a program to calculate sum/total from 1 to n.
      For example: ENTER NUMBER: 10
                     Total=55

6. Write a program to reverse the digits of the number.
      For example: ENTER NUMBER: 12345
                     REVERSE NUMBER: 54321
(Hint: Use **modulus operator(%)** to extract the last digit and the integer division by 10 to get the n-1 digit number from the n digit number.)

7. Write a program to calculate sum of its digits.
               For example: ENTER NUMBER: 125
                     Sum of digits: 1+2+5=8
   (Hint: Use **modulus operator (%)** to extract the last digit and the integer division by 10 to get the **n-1** digit number from the **n** digit number.)

8. Write a program to find out factorial value of any number.
      For example: ENTER ANY NUMBER: 5
                     FACTORIAL VALUE OF 5 IS; 1*2*3*4*5=120

9. Write a program to print prime number between 1 to n.
10. Write a program to print first n Fibonacci numbers.
    For example:
                     ENTER ANY NUMBER: 5
                     FIBONACCI NUMBERS; 0 1 1 2 3 5
11. Write a program to print the sum of the following series.
    (a) 1+2+3+…………..n   (c)   1+1/2+1/3+….1/n
    (b) 2+4+6+……………..n   (d)   1+1/2+2/3+3/4+…..n/n+1

12. Write a program to print the following triangle.
    (a) 1   (b) 1   (c) 3 2 1   (d) 3 3 3   (e)   1
        1 2   2 2   2 1   2 2   2 2
        1 2 3   3 3 3   1   1   3 3 3

    (f)   (g)   (h)
          1   5 5 5 5 5   1
        1   2   4 4 4 4   2   2
      1   2   3   3   3   3   3   3   3
    1   2   3   4   2   2   4   4   4   4
  1   2   3   4   5   1   5   5   5   5   5

(i)

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1   2   3   4   5        (j)              1           (k)                  1
  1   2   3   4                       2   2                            2   2
    1   2   3                       3   3   3                        3   2   1
      1   2                       4   4   4   4                    4   3   2   1
        1                       5   5   5   5                    5   4   3   2   1
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(l)   (m)

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1                                1
1   0                           121
1   0   1                       12321
1   0   1   0                   1234321
1   0   1   0   1               123454321
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13. Write a program to find out palindrome no between 1 to n.
    For ex: Input No: 121
                Output: Given no is palindrome
    Note: (Palindroms is one reads the same backwards as forwards)

14. Write a program to calculate sum/total of all even number between 100 to 200

15. Write a program to calculate sum/total of all the numbers which is divisible by 7 between 100 to 200.

16. Write a program to read the age of 5 persons and count the number of persons in the age group of 50 to 60. (Use **for** and **continue** statements)

17. Write a program to tabulate the values of square, cubes and factorials of all integers between 1 to 5.

write down following exercises on Journal

1,3,5,7,9,10, 12(j,k,l,m), 16