



# Coding Age

## Practice Set: Loop Basics

### Question Sets:

1. Write a program to print " Coding Age " 100 times .
2. Write a program to take a number from user and print from 1 to till user's input.  
Ex: input : 5                      output : 1 2 3 4 5 .
3. Write a program to take a number from user and print from user input to 1.  
Ex: input : 5                      output : 5 4 3 2 1 .
4. Write a program to take a number from user and print that number 100 times.  
Ex: input : 3                      output : 3 3 3 3 3 3 3 3 3 3 ..... .
5. Write a program to take a number from user and print the sum of 1 to that number.  
Ex: input : 4                      output : sum = 10 .// ( 1+2+3+4 )
6. Write a program to take a number from user and print the factorial of given number.  
Ex: input : 3                      output : sum = 6 .// ( 1 x 2 x 3 )
7. Write a program to take two number from user and .Find even number between them.  
Ex: input : a= 2 , b= 7              output : Even number = 2 , 4 , 6 .
8. Write a program to take two number from user and .Find oddnumber between them.  
Ex: input : a= 2 , b= 7              output : Odd number = 3 , 5 , 7.
9. Write a program to take two number from user and print count of number present between them.  
Ex: input : a= 4 , b= 8              output : count = 3
10. Write a program to take two number from user and find average of all number present between them.  
Ex: input : a= 1 , b= 5              output : Average = 3. // ( (1+2+3+4+5) / 5 ) .
11. Write a program to take two number from user and .Find the sum of all even number Present between them.  
Ex: input : a= 2 , b= 7              output : Sum of Even number = 12 .
12. Write a program to take two number from user and Find the sum of all odd number

Present between them.

Ex: input : a= 3 , b= 6                      output : Sum of Odd number = 8 .

13. Write a program to take two number from user one as a base ,second as a power calculate and print.

E.x: input : base =2 power =3              output : 8                       $\backslash\backslash ( 2 \times 2 \times 2 = 8 )$

14. Write a program to take a number from user and print the table of that number .

E.x: input : num = 2                      output : 2x1=2 , 2x2=4 , 2x3=6 , ..... , 2x10=20.

15. Write a program to take a number from user and count the digit present in that number .

E.x: input : num = 1835                      output : Digit count = 4

16. Write a program to take a number from user and reverse that number .

E.x: input : num = 435                      output : Reverse num = 534

17. Write a program to take a number from user and check that number is prime or not .

E.x: input : num = 4                      output : 4 is not prime.  
input : num = 7                      output : 7 is prime.

18. Write a program to print number 1 to 10 but skip whose divisible by 3 using **CONTINUE** keyword.

E.x: Output : 1 , 2 , 4 , 5 , 7 , 8 , 10.

19. Write a program to take a number from user and check that number is palindrome or not .

E.x: input : num = 321                      output : 123 is not palindrome.  
input : num = 434                      output : 434 is palindrome.

20. Write a program to take a number from user and print fibonacci number till user's input

E.x: input : 8                      output : 0 1 1 2 3 5 8

21. Write a program to take two number from user and find greatest common factor of them.

E.x: input : num1= 10, num2= 15              output : 5 is the Greatest Common Factor of 10 and 15

23. Write a program will keep taking input from the user until he gives a negative number

E.x: input : 2 , 4 , 5 , 6 , 7 , - 9.              output : found a negative number stop the loop.

24. Write a program to take a number from user and check that number is armstrong or not .

E.x: input : num = 32                      output : 32 is not armstrong number .  
input : num = 153                      output : 153 is armstrong number.  $//(1^3 + 5^3 + 3^3 = 153)$

25. Write a program to take a number from user and check that number is strong number or not .

E.x: input : num = 32                      output : 32 is not strong number .  
input : num = 145                      output : 145 is strong number.  $//( 1! + 4! + 5! = 145 )$