Assignment – 7

Iterative Control Instruction – LOOP

1. Write a program to print MySirG 5 times on the screen.
2. Write a program to print the first 10 natural numbers.
3. Write a program to print the first 10 natural numbers in reverse order.
4. Write a program to print the first 10 odd natural numbers.
5. Write a program to print the first 10 odd natural numbers in reverse order.
6. Write a program to print the first 10 even natural numbers.
7. Write a program to print the first 10 even natural numbers in reverse order.
8. Write a program to print squares of the first 10 natural numbers.
9. Write a program to print cubes of the first 10 natural numbers.
10. Write a program to print a table of 5.

While Loop

11. Write a program to print MySirG N times on the screen.
12. Write a program to print the first N natural numbers.
13. Write a program to print the first N natural numbers in reverse order.
14. Write a program to print the first N odd natural numbers.
15. Write a program to print the first N odd natural numbers in reverse order.
16. Write a program to print the first N even natural numbers.
17. Write a program to print the first N even natural numbers in reverse order.
18. Write a program to print squares of the first N natural numbers.
19. Write a program to print cubes of the first N natural numbers.
20. Write a program to print a table of N.

Use any loop

21. Write a program to calculate sum of first N natural numbers.
22. Write a program to calculate sum of first N even natural numbers.
23. Write a program to calculate sum of first N odd natural numbers.
24. Write a program to calculate sum of squares of first N natural numbers.
25. Write a program to calculate sum of cubes of first N natural numbers.
26. Write a program to calculate factorial of a number.

27. Write a program to count digits in a given number.

28. Write a program to check whether a given number is a Prime number or not.

29. Write a program to calculate LCM of two numbers.

30. Write a program to reverse a given number.

Level up with Loops

31. Write a program to print all Prime numbers under 100.

32. Write a program to print all Prime numbers between two given numbers.

33. Write a program to find next Prime number of a given number.

34. Write a program to calculate HCF of two numbers.

35. Write a program to check whether two given numbers are co-prime numbers or not.

36. Write a program to find the Nth term of the Fibonacci series.

37. Write a program to print first N terms of Fibonacci series.

38. Write a program to check whether a given number is there in the Fibonacci series or not

39. Write a program to check whether a given number is an Armstrong number or not.

40. Write a program to print all Armstrong numbers under 1000.