

20MCA131 PROGRAMMING LAB

LAB CYCLE 3

1. Write a program to find the factorial of a number.
2. Write a program to generate Fibonacci series of N terms.
3. Write a program to find the sum of all items in a list.[Using for loop]
4. Generate a list of four digit numbers in a given range with all their digits even and the number is a perfect square.
5. Write a program using a for loop to print the multiplication table of n, where n is entered by the user.
6. Display the given pyramid with the step number accepted from the user. Eg: N=4

1

2 4

3 6 9

4 8 12 16

7. Write a program to generate all factors of a number. [use while loop]
8. Write a program to print the reverse of a number. [use while loop]

9. Write a program to find whether the given number is an Armstrong number or not. [use while loop]

10. Construct following pattern using nested loop

```
*  
  
* *  
  
* * *  
  
* * * *  
  
* * * * *  
  
* * * * *  
  
* * *  
  
* *  
  
*
```