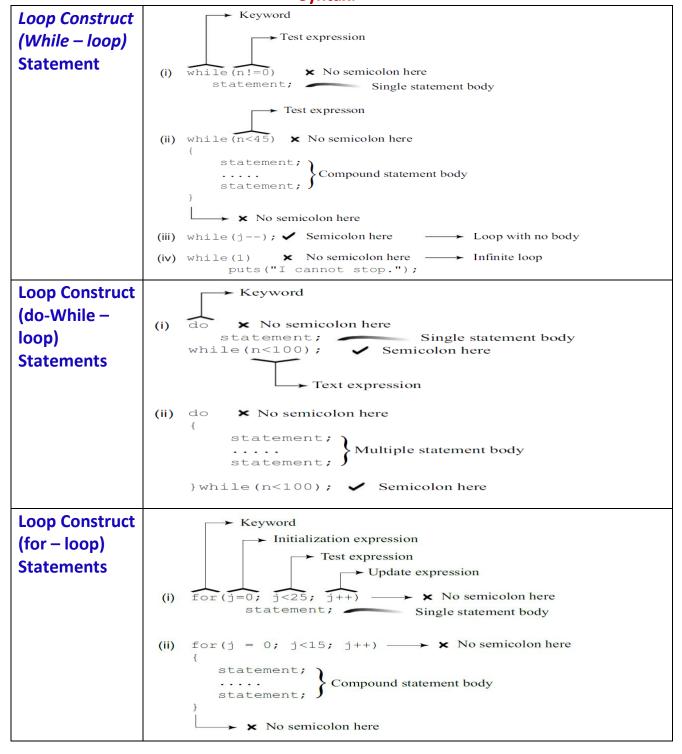
JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY, GUNA DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Computer Programming Lab (14B17CI171)

B.Tech. (CSE/ECE/MECH/CE/CHE) Semester-I

Lab Experiment-7 C Programs: Loop Construct

Syntax:



Practice

- 1. Two numbers are entered through the keyboard. Write a program to find the value of one number raised to the power of another. (For example, x and y are input variables and output is x^y .)
- 2. Write a C program to print the sum of n natural numbers. The sum of first 'n' natural no`s 1+2+3+....+n.
- 3. Write a program to count the number of digits in a given number.
- 4. Write a program to find the sum of digits in a given number.
- 5. Write a program to find that given number is palindrome or not.
- 6. Write a program to read a number N and print all its divisors.
- 7. Write a program to find input number is Prime or not.
- 8. Write a program to find that given number is perfect number or not.
- 9. Write a program that accepts N numbers as an input and print sum and average of N numbers.
- 10. Write a C program to find frequency of each digit in a given integer.
- 11. Write a C program to calculate the factorial of input number and display the result.
- 12. Write a C program to check whether a number is Strong number or not.
- 13. Write a program to find that given number is Armstrong number or not
- 14. Write a program to enter the numbers till the user wants and at the end it should display the count of positive, negative and zeros entered.
- 15. Write a C program to find two's complement of a binary number.
- 16. Write a C program to convert Binary to Octal number system.
- 17. Write a C program to convert Decimal to Binary number system.
- 18. Write a program to print all the ASCII values and their equivalent characters using a while loop.

 The ASCII values vary from 0 to 255. Use formatting options with *printf to* display ASCII values and corresponding characters in a tabular form.
- 19. Write a C program to swap first and last digits of a number.
- 20. Write a program to create a list of the leap years found in a given range of years.