## Tutorial 1

- 1. Draw flowchart for simulating a simple calculator that is performing addition, subtraction, multiplication and division.
- 2. Write an algorithm and draw flowchart for generating first n (n>2) Fibonacci terms. (Fibonacci terms are 0, 1, 1, 2, 3, 5, 8, 13, 21 .....).
- 3. Write an algorithm and draw flowchart for checking whether a given integer number by user is prime number or not.
- 4. Write an algorithm and draw flowchart for generating all prime numbers between MIN and MAX. Where (MIN<MAX)
- 5. Draw flowchart for printing multiplication table for all numbers from 1 to 10.
- 6. Draw flowchart and write the algorithm for finding the smallest of three numbers.
- 7. Draw a flowchart for checking whether a given number is palindrome or not.
- 8. What are the advantages and limitations of flowcharting?
- 9. Draw flowchart for solving quadratic equation for finding all roots (real and equal, real and distinct and complex).
- 10. Draw flowchart for finding biggest and smallest numbers form set of three numbers.
- 11. Write a C program to generate following Patterns:













