

Assignment 2:

1. Write an algorithm and draw a flowchart to add the following sequence
 - a. 1, 3, 5, 7, 9 . . . N (series of odd numbers)
 - b. 2, 4, 6, 8, 10 . . . N (series of even numbers)
2. Write an algorithm and flow chart to determine whether a number is palindrome or not.
3. Write an algorithm and flow chart to determine whether a number is even or odd.
4. Write algorithm and draw flowchart to add N natural numbers.
5. Write algorithm and draw flowchart to check whether a number is exactly divisible by 5 but not by 7.
6. Write algorithm and draw flowchart to find the largest of three different numbers.
7. Write algorithm and draw flowchart to find all roots of quadratic equations.
8. Write algorithm and draw flowchart for a program that calculates sum of digits of an integer numbers.
9. Write algorithm and draw flowchart to find factorial of a positive number.
10. Write algorithm and draw flowchart to find HCF & LCM of two positive numbers.
11. Write algorithm and draw flowchart to find and print the term of Fibonacci sequence:
0, 1, 1, 2, 3, 5, 8, 13, 21, 34, ...
12. Write algorithm and draw flowchart to print following pattern
5
5 4
5 4 3
5 4 3 2
5 4 3 2 1
13. Write an algorithm and flow chart to determine whether a number is prime or not.