1. Write an algorithm, Pseudocode and Flow Chart to check   Number is Positive Negative or Zero .

2. Write an algorithm, Pseudocode and Flowchart to check Number   is odd or even.

3. Write an algorithm, Pseudocode and Flowchart to Input the   coordinate point in a XY coordinate system and determine in which quadrant the coordinate point lies.

4. Write an algorithm, Pseudocode and Flowchart to Find roots (real   and imaginary)   of a quadratic equation.

5. Write an algorithm, Pseudocode and Flowchart to Input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer, calculate percentage and grade according to given conditions:
 If percentage >= 90% : Grade A
 If percentage >= 70% : Grade B
 If percentage >= 60% : Grade C
 If percentage >= 40% : Grade D
 If percentage < 40% : Fail (consider a carry-over (CP))
 Print the result in given format:
 Input: 60 76 88 34 61
 Output: Pass, 63.80%, Grade-C, CP-1

6. Write an algorithm, Pseudocode and Flowchart to check if a number is less than 100   or not. If it is less than 100 then check if it is odd or even.

7. Write an algorithm, Pseudocode and Flowchart to find whether a year is a Leap Year   or not.

8. Write an algorithm, Pseudocode and Flowchart to find greatest among two numbers using if else statement.

9. Write an algorithm, Pseudocode and Flowchart to find the greatest among three numbers.

10. Write an algorithm, Pseudocode and Flowchart to Enter a value and check value is Character value or not.

11. Write an algorithm, Pseudocode and Flowchart to Enter a character value and check   value is vowel or consonant.

12. Write an algorithm, Pseudocode and Flowchart to input electricity unit charges and calculate total electricity bill according to the given condition:
For first 50 units Rs. 0.50/unit
For next 100 units Rs. 0.75/unit
For next 100 units Rs. 1.20/unit
For unit above 250 Rs. 1.50/unit