

Q. Ask the user to enter an integer number. Check whether the number is positive or not. If the entered number is positive check whether the entered number is perfect number or not otherwise display proper error message. (a perfect number is a positive integer that is equal to the sum of its positive divisors, excluding the number itself.)

Algorithm:

1. Start
2. Define num, i = 1, sum = 0, quo as Integers
3. Take input for num
4. Check if (num > 0), if yes then go to **Step 6**
5. Print "num is negative, Input again"
6. Check if (i < num), if No go to **Step 11**
7. quo = num / i
8. Check if (quo * i == num) if no then go to **Step 10**
9. sum = sum + i
10. i = i + 1 then go to **Step 6**
11. Check if (sum == num) if No then go to **Step 13**
12. Print {num} "is as perfect number" then go to **Step 14**
13. Print {num} "is not a perfect number"
14. Stop

