1. **Evil number**

An evil number is a non-negative number that has an even number of 1s in its binary expansion.

Input : 3

Output : Evil Number

Explanation: Binary expansion of 3 is 11,

the number of 1s in this is 2 i.e even.

1. **Check if number is buzz number (ends with 7 or divisible by 7)**

Input: 27  
 Output: Buzz number  
 Explanation: 27 ends with 7.

1. **Check if a number is a Spy number**

Input: 1124  
 Output: Spy number  
 Explanation: 1+1+2+4 = 8, 1×1×2×4 = 8

### **Check if a number is a Neon number**

Input: 9  
 Output: Neon number  
 Explanation: 9² = 81 → 8+1 = 9

1. **Check if a number is Harshad number**

Input: 18  
 Output: 18 is a Harshad number.  
 Explanation: 18 / (1+8) = 2

1. **Duck Number**
2. **GCD**
3. **LCM(a\*b/gcd)**
4. **Check if a number is a Fibonacci number**
5. **Find square root**
6. **automorphic**
7. **Tech number**