**LC#231: POWER OF TWO**

**APP: if it is a power of two then the n & n-1 should be 0**

**Example = 16 ->(10000)**

**15 ->(01111)**

* **If(n&(n-1)) == 0**

class Solution {

    public boolean isPowerOfTwo(int n) {

        if(n<=0)

            return false;

        return (n&n-1)==0;

      }

}

**LC#326: POWER OF THREE**

class Solution {

    public boolean isPowerOfThree(int n) {

        return (int)(Math.log10(n)/Math.log10(3))==

        (double)(Math.log10(n)/Math.log10(3));

    }

}

**LC#342:POWER OF FOUR:**

class Solution {

    public boolean isPowerOfFour(int n) {

        return (int)(Math.log10(n)/Math.log10(4))==

        (double)(Math.log10(n)/Math.log10(4));

    }

}