DAY 46

Interview Bit:

1. Largest Coprime Divisor

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You are given two positive numbers A and B. You need to find the maximum valued
integer X such that:
X divides A i.e. A % X = 0
X and B are co-prime i.e. gcd(X, B) = 1
For example,
A = 30
B = 12
We return
X = 5
CODE :
JAVA
public class Solution {
    public int cpFact(int A, int B) {
         while (gcd(A,B) != 1) {
             A = A/gcd(A,B);
        }
        return A;
    public int gcd(int A, int B) {
        if (B == 0) {
             return A;
        } else {
             return gcd(B, A%B);
        }
    }
}
```