#15 days of dsa coding challenge

#Day 14

#Leetcode 204

Count primes

Solution:

class Solution {

public:

int countPrimes(int n) {

if (n < 3) return 0;

vector<bool> isPrime(n, true);

isPrime[0] = isPrime[1] = false;

for (int i = 2; i \* i < n; ++i) {

if (isPrime[i]) {

for (int j = i \* i; j < n; j += i) isPrime[j] = false;

}

}

return count(isPrime.begin(), isPrime.end(), true);

}

};