ALL DIVISORS OF A NUMBER

☆ In this problem, we are given a number and our job is to return an array containing all divisors of that number in any order.

Bruteforce Solution is to iterate from 1 to N and just checking whichever number divides it. This can be optimized to only loop from 1 to $\sqrt{N}$, as no divisor will be left if we just also check i and $\frac{N}{i}$.

Pseudocode :

```
printAllDivisors (N) {
    ans = []
    for (i = 1 → √N) {
        if (N % i == 0) {
            ans.add(i)
            if (N/i != i) {
                ans.add(N/i)
            }
        }
    }
    return ans
}
```