

Prime Factors kata

Introduction

The prime factors kata is a math-based kata in which we write a method which will break down any number into a list of its prime factors. This means that we return the set of one or more prime numbers that when multiplied together will give us the initial number.

Requirements

Write a class named "PrimeFactors" that has one static method: generate.

- The generate method takes an integer argument and returns a collection of integers. That list contains the prime factors in numerical sequence.

Examples

- generate(2) = [2]
- generate(3) = [3]
- generate(4) = [2,2]
- generate(6) = [2,3]
- generate(8) = [2,2,2]
- generate(9) = [3,3]
- generate(10)=[2,5]
- generate(12) = [2,2,3]