Problem N.5

Find Divisors

Due Date: 3/29/2019
Folder: `NumberTheory`
File Name: `N5_Divisors_Name.py`
Points: 2 points

Learning Objectives

- Calculate divisors of a natural number

Problem Background

We say that m divides n if there exists a natural number k such that $mk = n$. The number m is then called a **divisor** of n. The **proper divisors** of n are all divisors that are greater than zero but strictly less than n.

Program Criteria

Write a program that does the following:

- Write a `def` function that takes an integer `n` as input, and returns a list containing all the proper divisors of `n`.

- Using this function, print out all proper divisors of some number.

Deliverables

Place the following in a folder named `NumberTheory` in your repository:

- A Python file `N5_Divisors_Name.py` that satisfies the program criteria.