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# Python Programming Exercises

Reference for some of these exercises is [here \(https://www.w3resource.com/python-exercises/\)](https://www.w3resource.com/python-exercises/).

**Exercise 1:** Write a Python function to check whether a number is divisible by another number. Your function should accept two integers values and return a boolean.

**Exercise 2:** Fibonacci numbers start with 0, 1 and continues such that the next number is the sum of the previous two numbers. Write a Python function that gives a list of the first N fibonacci numbers.

**Bonus:** Make the first two numbers optional with default values of 0 and 1.

**Exercise 3:** Write a Python program to count the number of even and odd numbers in a given list of numbers.

**Exercise 4:** Write a Python function that accepts a string and calculates the number of upper case and lower case letters using a dictionary with two keys.