Introduction to Computer Science & Programming in Python

Introduction

This exercise is on Python conditional statements, loop, and control statements and functions.

Resources

1. https://docs.python.org/3/tutorial/index.html

2. https://www.tutorialspoint.com/python/

3. https://program.bruintech.org/wp-content/uploads/2018/01/learn-python3-the-hard-way-jul-4-2017.pdf

Questions

1. Write a python program that prints odd numbers between 0 and 100.

2. Modify the program in question 1 to print even numbers between 0 and 100.

3. Write a Python program that prints list of numbers which are exactly divisible by 11 between 2000 and 3300 (both included).

4. Define a function "checkOccurence(list, item)" that can take in two arguments called list and item. Return the number of times the item occurs in the list. e.g: "checkOccurence([5,3,3,1,4,7,9,1,2,9], 9)" should return 2 (because 9 appears 2 times in the list).

5. Define a Python function "findPrimeNumbers(N)" that takes in one argument N. Return the list of prime numbers between 0 and N(inclusive.) E.g

"findPrimeNumbers(6)" should return [1, 2, 3, 5]. Using Python comments syntax,

add comments to describe the flow of execution of the program.