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| --- | --- | --- | --- | --- | --- |
| **LEARNING PROFILE FOR ASSIGNMENT#\_1\_\_\_\_\_ AND QUESTION#\_9\_\_\_\_\_\_\_** | | | | | |
| *Name* | *:* | *Steven Morrissey* | *Due Date* | *:* |  |
| *Student ID* | *:* | *3300222* | *Submission Date* | *:* |  |

**1. Problem Statement:**

Write a program that iterates through numbers from 0 to 113 using a loop. Print the numbers, one number per line. As you print each number, say x, also print the following when appropriate, separated by commas: I. If the number is odd, print “x is odd” II. If the number is divisible by 5, print “hi five” III. If the total of a number (x) and its subsequent number (x+1) is a value divisible by 7, print “wow” IV. If the number is prime, print “prime”.

**2. Description of the Code:**

Implemented all methods in the API, with the iterate() method calling every other method to verify the conditions and add them to a list to be printed out later on.

**3. Errors and Warnings:**

Table 1: List of Errors and Warnings Encountered in the Program

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Errors / Warnings** | **Details** | **How I solved them** |
| 1 | none |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |

**4. Sample Input and Output:**

**Case 1: Given a sequence of numbers 1-113, Each number is checked one by one and the correct statements are printed out for each number whether they are odd, divisible by 5 or 7, or they are prime.**

**5. Discussion:**

**No discussion required, API was comprehensive enough to write the program from start to finish.**