Metropolitan State University

ICS 140 Computational Thinking with Programming

Lab 11

**Running Total**

You have been tasked with creating a program that allows a user to enter a series of numbers to create a list. The user should enter zero (0) when they have no more numbers to enter. Once the user indicates they are finished entering numbers, the program should display the list of numbers and calculate their total.

Function Details

* get\_numbers(): This function should prompt the user to enter numbers one by one and add them to a list. The function should continue prompting until the user enters zero (0) to indicate they have finished entering numbers. The function should return the list of numbers.
* display\_numbers(numbers): This function should take the list of numbers as input and display each number on a separate line. It should also calculate and display the total of the numbers.
* In the main() function, call the get\_numbers() function to obtain the list of numbers. Then, call the display\_numbers() function to display the list of numbers and their total.

Example Output

Enter a number (enter 0 to finish): 7

Enter a number (enter 0 to finish): 2

Enter a number (enter 0 to finish): 9

Enter a number (enter 0 to finish): 0

Numbers entered:

7

2

9

Total: 18

Copy your code and screenshots in the sections below.

**Python Code**

A computer screen shot of code

Description automatically generated

**Testing Screenshots**

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated