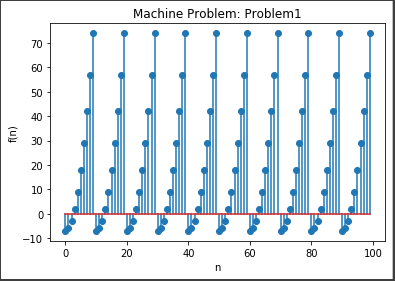
Machine Problem (Python): Problem 1

Python Script file



Output plot



Observation:

In the for loop constructed, x is equated to i where its value is ranged from [0] to [99]. When x is less than 10, it is immediately used by the if statement and is appended to an array to be used for graphing. When the loop value of i is greater or equal to 10, x is subjected to a while loop in which it will decrease the value of x until it comes to a point where it’s less than 10. After being reduced to a value of less than 10, it can then be accepted by the if statement and appended to the array. The graph looks like this because the value of x in the program is always being reduced by 10 until it becomes less than 10.