

# Week 1 - Reinforcement and Punishment

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**Due** No Due Date      **Points** 24      **Submitting** a text entry box or a file upload

## Assignment Requirements

1. Write a short [Python function](#), `is_multiple(n, m)`, that takes two integer values and returns True if  $n$  is a multiple of  $m$ , that is,  $n = mi$  for some integer  $i$ , and False otherwise.
2. A common punishment for school children is to write out a sentence multiple times. Write a Python stand-alone program that will write the following sentence one hundred times: "I will never spam my friends again."

In addition to coding these tasks, you must post a video running and explaining your code. This allows for you to demonstrate what is occurring in the code as it is happening and how it is organized. You must also run your code in the video to explain the output and why the program produced that output. Refer to the attached rubric to see how it is scored.

## Canvas Submission Instructions

When you have completed this assignment and pushed your work to the remote GitHub repository, answer the following question(s):

1. How many hours do you estimate you used completing this assignment?
2. What was easiest for you when completing this assignment?
3. What was the most difficult challenge you experienced when completing this assignment?

To begin, click the Submit Assignment button in Canvas and respond in the available text entry box.

## Reinforcement and Punishment Rubric

Criteria	Ratings			Pts
<b>Multiple Readability</b> Your code should have clearly articulated comments, easy to understand variables, constants, etc., and have a clear flow of how the code is carried out.	<b>3.0 pts</b> <b>Full Marks</b>	<b>1.0 pts</b> <b>No Description</b>	<b>0.0 pts</b> <b>No Marks</b>	3.0 pts
<b>Multiple Computation</b> Code should be able to run and carry out the necessary tasks. Aim to have your code complete the required tasks.	<b>3.0 pts</b> <b>Full Marks</b>	<b>1.0 pts</b> <b>Partial</b> Executive program does a computation but is incorrect.	<b>0.0 pts</b> <b>No Marks</b>	3.0 pts
<b>Multiple Output</b> Returns the proper output	<b>3.0 pts</b> <b>Full Marks</b>	<b>1.0 pts</b> <b>Partial Marks</b> Executing program provides output message but message is inaccurate	<b>0.0 pts</b> <b>No Marks</b>	3.0 pts
<b>Punishment Readability</b> Your code should have clearly articulated comments, easy to understand variables, constants, etc., and have a clear flow of how the code is carried out.	<b>3.0 pts</b> <b>Full Marks</b>	<b>1.0 pts</b> <b>No Description</b>	<b>0.0 pts</b> <b>No Marks</b>	3.0 pts
<b>Punishment Output</b> Returns the proper output	<b>3.0 pts</b> <b>Full Marks</b>	<b>1.0 pts</b> <b>Partial Marks</b> Executing program provides output message but message is inaccurate	<b>0.0 pts</b> <b>No Marks</b>	3.0 pts
<b>Punishment Style and Use of Functions</b>	<b>3.0 pts</b> <b>Full Marks</b>	<b>0.0 pts</b> <b>No Marks</b>		3.0 pts
<b>Answers All Canvas Questions</b>	<b>1.0 pts</b> <b>Full Marks</b>	<b>0.0 pts</b> <b>No Marks</b>		1.0 pts

Criteria	Ratings				Pts
Video Submission	<b>5.0 pts Full Marks</b> Clearly explains the organization of the code and why the output is being produced.	<b>3.0 pts Partial</b>	<b>1.0 pts Partial</b>	<b>0.0 pts No Marks</b>	5.0 pts
					Total Points: 24.0