

**CS 101 Homework 11\_21\_2021**  
**Loops (Again)**

**PLEASE READ THE ITEMS BELOW CAREFULLY:**

Create a new Python script file and name it *yourlastname\_homework\_11\_21.py*, where *yourlastname* is your last name. Save your file in your homework folder on your computer (a folder that you can easily find). When finished, upload your file on Google Classroom using Homework 6 assignment link. I should be able to run your complete code without errors.

**Task 1**

Print even numbers from -10 to 10. Number 10 should be included.

**Task 2**

Can you print numbers from 40 to 60, in decreasing order. Number 40 should be included. Hint: what should be the starting value, the end value, and the step value?

**Task 3**

Print all odd numbers between -10 and 10 in decreasing order.

**Task 4**

Print all hundredths between 1 and 2, for example, 1.01, 1.02, 1.03 and so on all the way to 2.00 (included). Hint: `range()` only accepts integer arguments. However, you can use simple math to change your values.

**Task 5**

Print all multiples of 5 between 0 and 50. Use for loop to iterate over all numbers between 0 and 50. Use if statement with modulus operator to identify and print the relevant numbers. (Yes, this is not an efficient way to complete the task, but I would like you practice using the for and while loops).

**Task 6**

Repeat previous task using an alternative approach. Hint: remember that `range()` includes a step argument.

**Task 7**

Print all EVEN numbers between 0 and 100 which have a "5" in them. Hint: This task may involve converting numbers into strings.