# CS 101 Homework 2-6-22

➢ *Save your code as lastname_homework.py and submit on Google Classroom.*
➢ *Please, run your code before submitting.*
➢ *If you get an error, try to fix it before submitting your homework.*
➢ *If you get help from anyone, please, make sure that you actually understand the solution.*

**Task 1**
Create a function that returns 1 if the number can be divided by 10 and 0 otherwise. Test your function using the following values: 20 and 25.

**Task 2**
Generate X, which is list of even numbers from 2 to 99. Use the function from Task 1 on each element from X and save your values in a new list Y. Do it: (a) without using list comprehension, and (b) using list comprehension.

**Task 3**
Create a function that returns True (Boolean) if a string has 4 or more characters, and False otherwise. Test your function.

**Task 4**
Use your function from Task 3 each word from the following string: "If you get an error, try to fix it before submitting your homework." Save your results in a new list. Do it: (a) without using list comprehension, and (b) using list comprehension.

**Task 5**
Create a list of all numbers from 1 to 99, which can be divided by 7 or by 9. Do not use list comprehension.

**Task 6**
Create a list of all numbers from 1 to 99, which can be divided by 7 or by 9. Use list comprehension. Hint: you can you if statement after the for loop.