CS 101
CLASSWORK 5: FOR AND WHILE LOOP EXERCISES

TASKS

1. Write a program for a number guessing game. You will prompt the user for a number between 1-20. The user will have 6 guesses. If the user guesses the number, display a message accordingly. To generate a random number, use the statement: **import random** at the beginning of the program and the statement **number = random.randint(1, 20)** to store in the variable number, a random number between 1 and 20.

2. Modify the previous program to tell the user if the guess was too high or too low for each guess. How many guesses are needed in this case?

3. Print characters from a string that are at even index numbers.

4. Remove the first 5 characters from a string and display it. If the string is shorter than that, display a message.

5. Print a pattern of numbers. On the first line print 1 - one time. On the next line print 2 twice, on the next print 3 three times and so on till 10. To avoid inserting a newline character after each **print** statement, use print with the **end=" "** parameter like in this example: print (char, end=" ") will print a blabk character instead of the newline character.