KEY CONCEPTS:

In class, we got started with our programing environment at http://colab.google

1. We launched a new notebook to create a new file and renaming it (it saves itself)

2. We displayed information by using the `print()` command. Examples:
   ```
   a. print("Hello World!")
   b. print(34)
   c. print(4 * 5)
   d. print(3 + 5)
   ```

3. We printed some ***concatenated*** text:
   ```
   print("My name is : " + "yourname")
   Note: for strings(text) you can can use single or double
   quotes in python)
   ```

4. We deliberately generated some **syntax** errors:
   ```
   print("a" + 3)                        #mixing data types
   print("sometextwithoutendquote)   #missing quotes
   print(3                                #missing parenthesis
   ```

5. We started to deal with some variables (things that hold data)
   ```
   a = 10
   b = 20
   c = a + b
   print(c)

   my_name = "Ami"
   my_age = 100
   my_grade = 12

   print(my_name)
   print(my_age)
   print(my_grade)

   my_age = my_age + 1
   print(my_age)
   ```
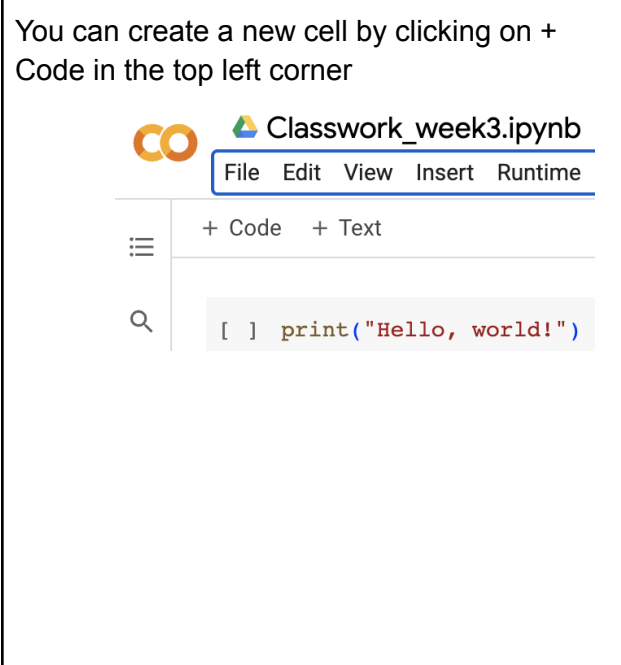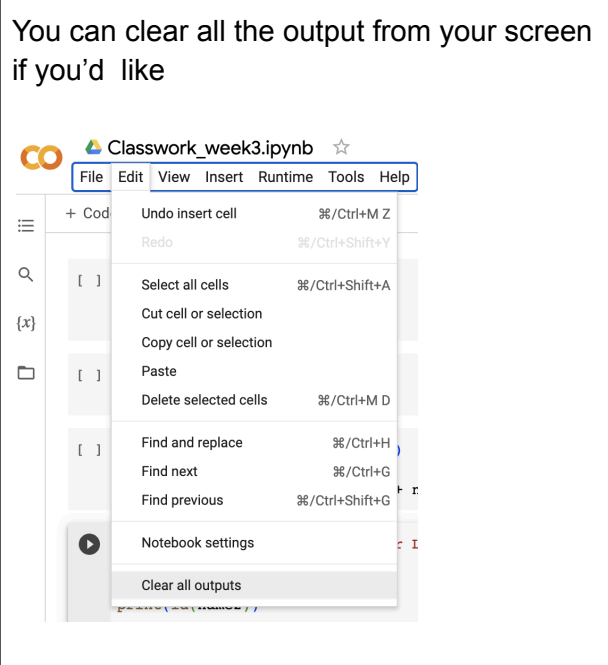
A few additional notes:

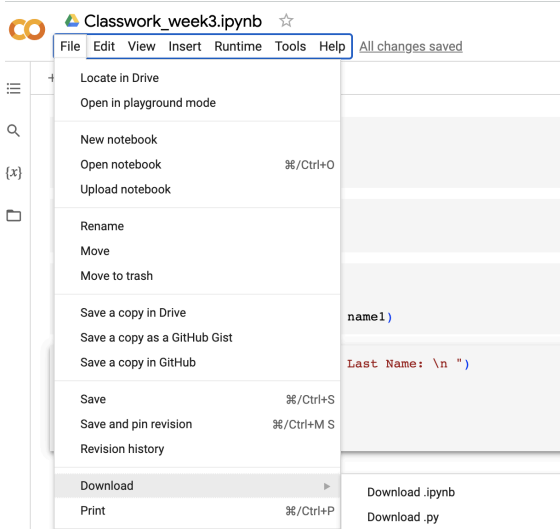| You can create a new cell by clicking on + Code in the top left corner	You can clear all the output from your screen if you'd like

You can download the code to your machine by clicking File >> Download >> Download .ipynb

This downloaded file will be what you upload into the homework assignment in the Google Classroom.

HOMEWORK:

Hint: use a separate cell for each problem! Save the Python script file with name:
yourname_homework1.ipynb

1. PROBLEM 1
   A. Assign your name, age and grade to the variables my_name, my_age and my_grade respectively
   B. Print the following sentences to the screen making the right substitutions:
      a. Hello, my name is my_name. I am my_age years old and attend grade my_grade.
      b. In 5 years, I will be my_age + 5 years old

2. PROBLEM 2
   A. Assign the value 3.14 to the variable pi
   B. Assign a number between 2 and 20 to the variable r
   C. Calculate the area and circumference store them in variables c_area and c_circ
   D. Print the following sentence making the right substitutions:
      a. For a circle with radius r, the area is … and the circumference is ….

3. CHALLENGE PROBLEM 3

   Try to print the following ASCII art: hint - print one line at a time

```
 ,  ;  ,     .-'"""'-.      ,  ;  ,
  \\|/   .'            '.   \|//
   \-;-/     ()     ()    \-;-/
    // ;                    ;  \\
   //__; :.              .; ;__\\
   `-----\'.'-.....-'.'/-----'
          '.'.-.-,_.'.'
 jgs         '(   (..-'
               '-'
```