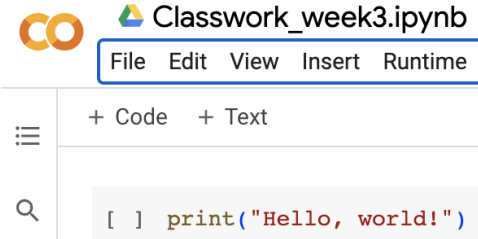
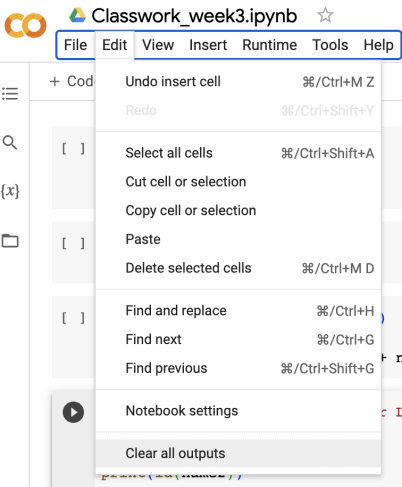


KEY CONCEPTS:

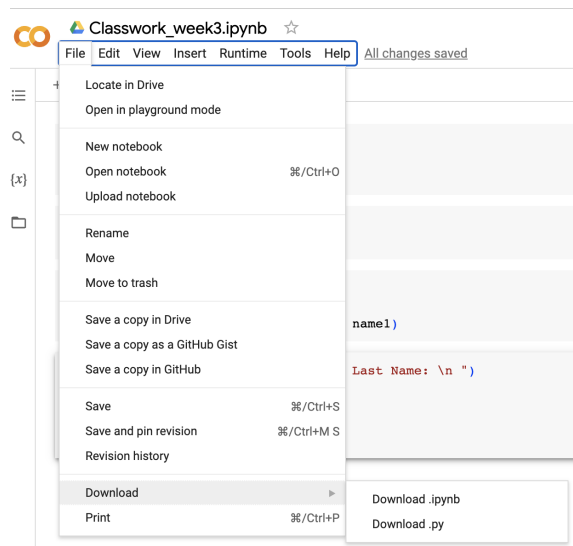
In class, we got started with our programming environment at <http://colab.google>

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)`
3. We asked for user input using the `input()` command and loading the value into a variable:
 - a. `print("Please enter a name: \n")`
`name = input()`
`print(name)`
 - b. `name2 = input("Please enter a name: \n")`
`print("Hello " + name2)`
4. We displayed the memory address and type of variables:
 - a. `id(name)`
 - b. `type(name2)`

A few additional notes:

<p>You can create a new cell by clicking on + Code in the top left corner</p>  <p>The screenshot shows the Google Colab interface for a notebook titled 'Classwork_week3.ipynb'. The top menu bar includes 'File', 'Edit', 'View', 'Insert', and 'Runtime'. Below the menu, there are two buttons: '+ Code' and '+ Text'. The '+ Code' button is highlighted with a blue box. Below the buttons, there is a code cell containing the text <code>[] print("Hello, world!")</code>.</p>	<p>You can clear all the output from your screen if you'd like</p>  <p>The screenshot shows the Google Colab interface for a notebook titled 'Classwork_week3.ipynb'. The top menu bar includes 'File', 'Edit', 'View', 'Insert', 'Runtime', 'Tools', and 'Help'. The 'View' menu is open, showing several options: 'Undo insert cell', 'Redo', 'Select all cells', 'Cut cell or selection', 'Copy cell or selection', 'Paste', 'Delete selected cells', 'Find and replace', 'Find next', 'Find previous', 'Notebook settings', and 'Clear all outputs'. The 'Clear all outputs' option is highlighted with a blue box.</p>
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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 at <https://classroom.google.com/c/Njl2OTYzMzIzNjU2>

HOMEWORK:

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

1. PROBLEM 1

- Code a simple calculator. Ask the user to enter two numbers and load them into two variables - say `number1` and `number2`.
- Calculate the area of a triangle if the two numbers were the height and base.
- Calculate the area of a square as if the first number were the length of a side
- Calculate the area of the circle as if the second number were the radius.

2. PROBLEM 2

Code a simple Mad Libs game.

- Ask the user for a few words and load them into variables for example: a type of food, name, an adjective, a noun, etc.
- Tell a short story using the information collected in step A

Have fun with this!!!! If you want an example of this game, check out

<https://assets.readbrihtly.com/wp-content/uploads/2020/08/Election-Mad-Libs-If-I-Were-President.pdf>