# Lesson 01 Demo 04
# Writing and Running a Python Program

**Objective:** To demonstrate Python's basic syntax while introducing user input and the print function, establishing a foundational understanding of how Python executes code

**Tools required:** Google Colab

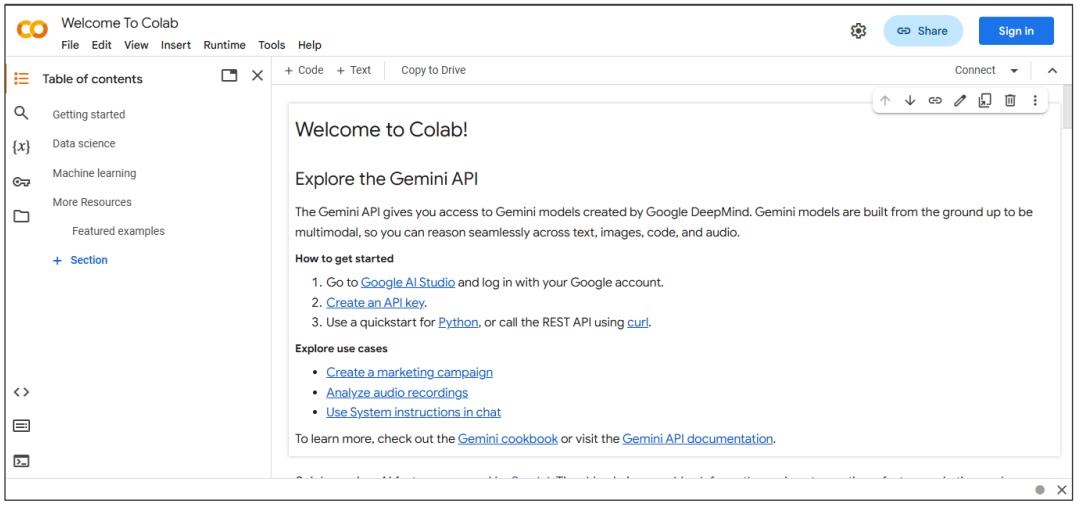
**Prerequisites:** None

**Steps to be followed:**

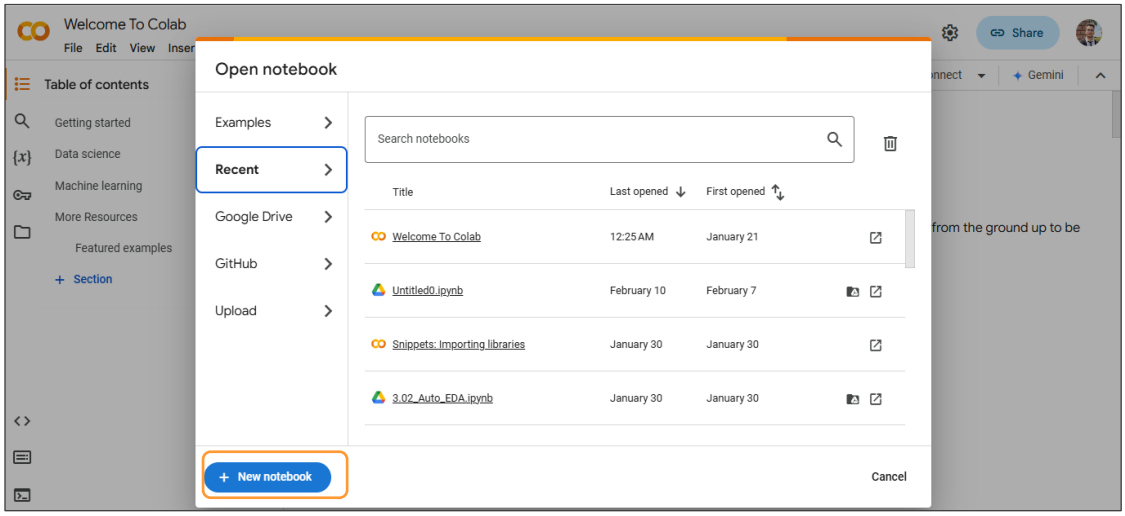
1. Open Google Colab and create a new notebook
2. Write and execute Python code

## Step 1: Open Google Colab and create a new notebook

1.1 Open Google Colab: https://colab.research.google.com/



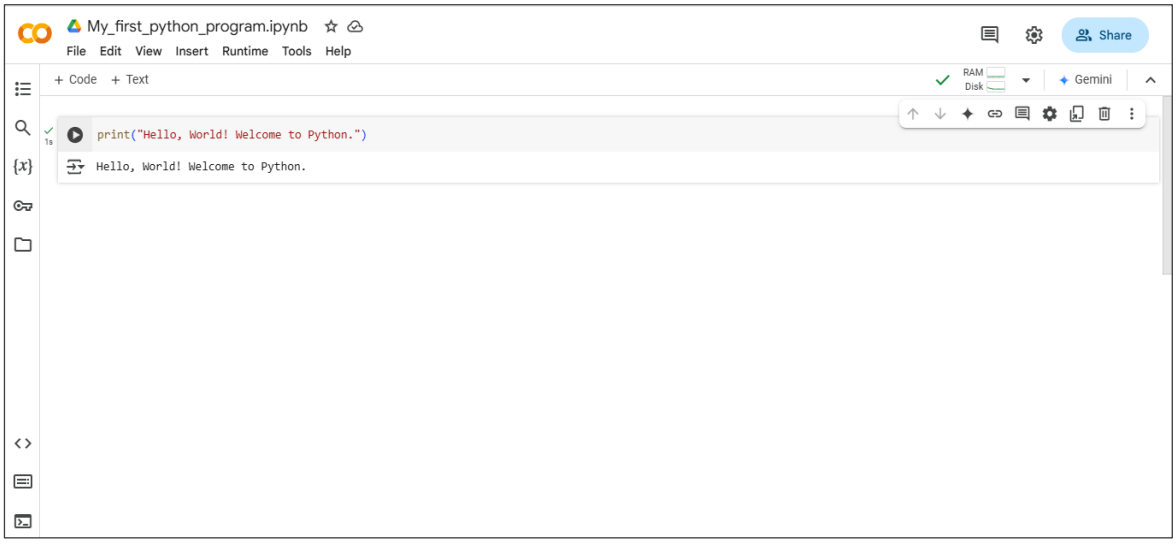
1.2 Click on **New notebook**



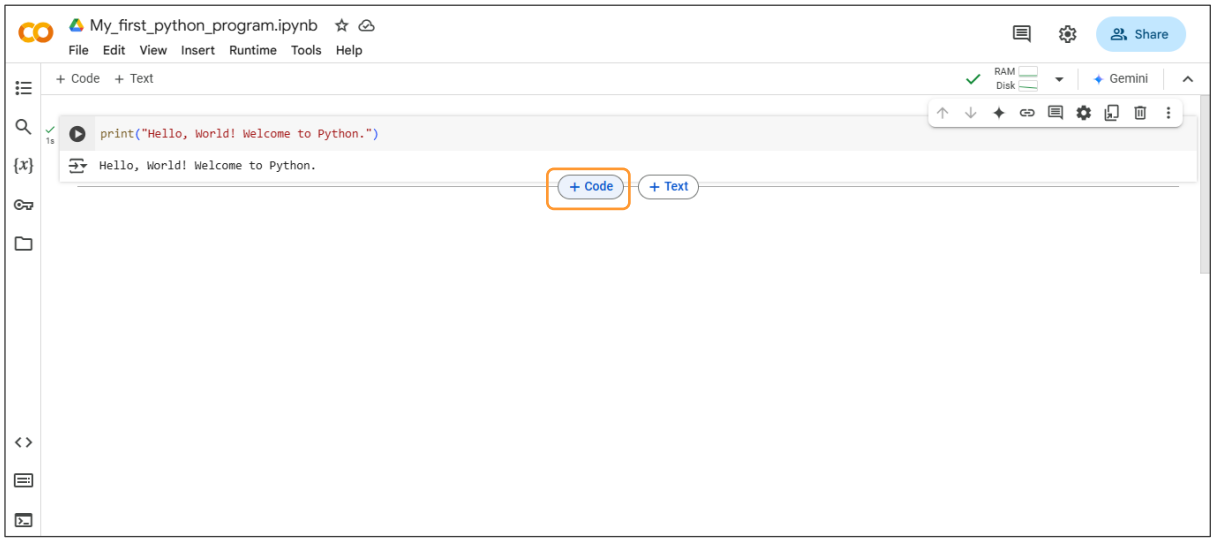

1.3 In the top left corner, rename the notebook as **My_first_python_program**

## Step 2: Write and execute Python code

2.1 Write the following code to print a simple output:
**print("Hello, World! Welcome to Python.")**




2.2 Hover the cursor over the old cell and click on **+ Code** to add a new cell in the notebook



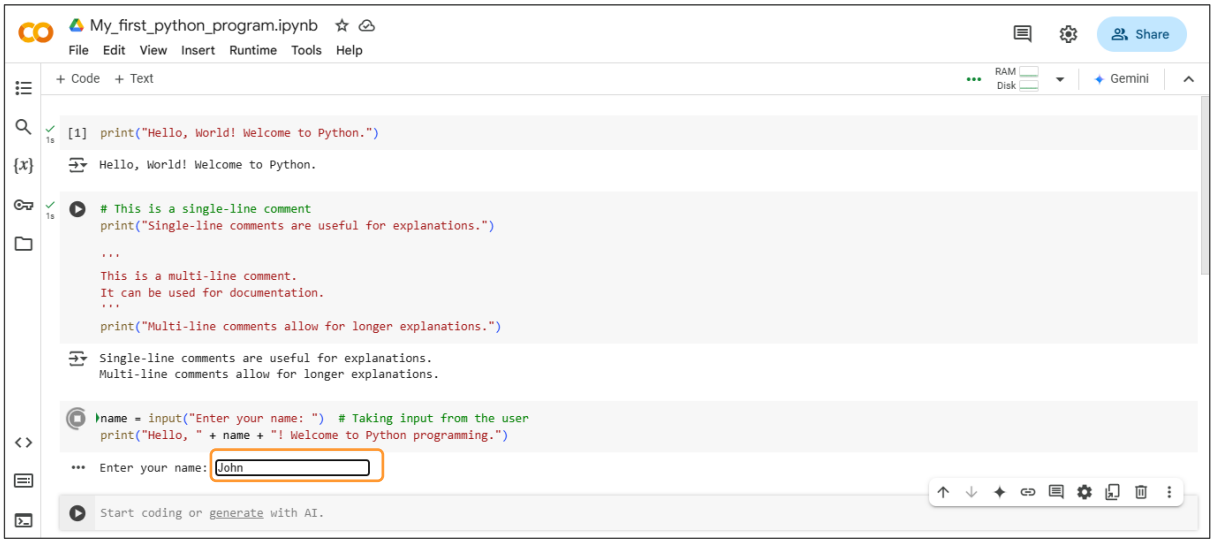
2.3 In the new cell, write the following code to see how comments work:

```
# This is a single-line comment
print("Single-line comments are useful for explanations.")

'''
This is a multi-line comment.
It can be used for documentation.
'''
print("Multi-line comments allow for longer explanations.")
```

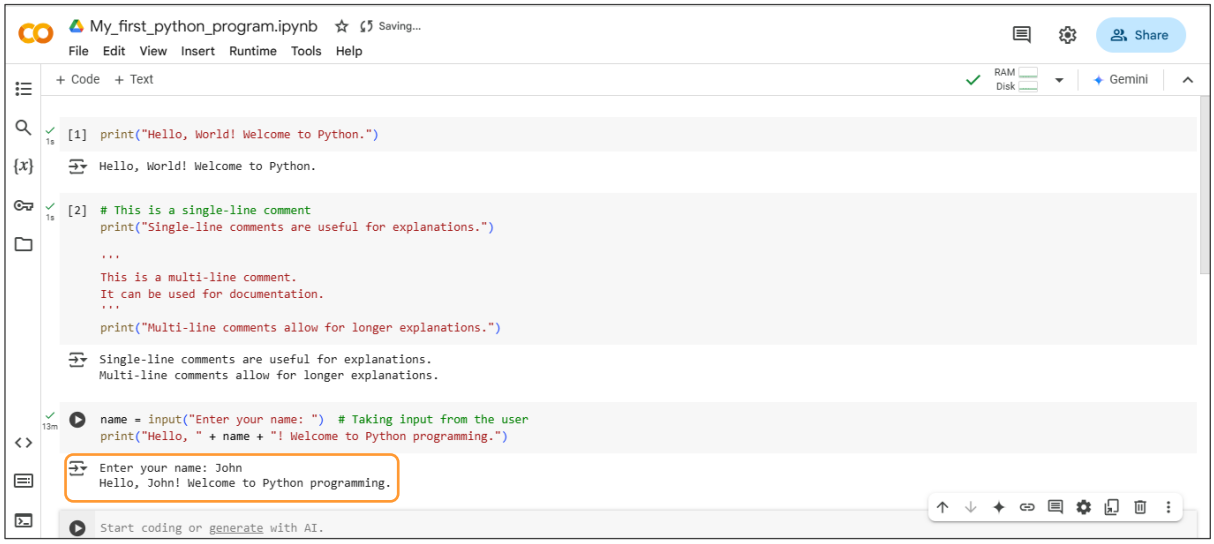

2.4 Add another new cell, write the following code for user input, and run the cell:

```
name = input("Enter your name: ")  # Taking input from the user
print("Hello, " + name + "! Welcome to Python programming.")
```




Type your name inside the box when prompted.

2.5 Press enter, and you will see the following output based on your input:




By following these steps, you have successfully written and executed Python code in Google Colab to print output, add comments, and take user input.