# 🐍 Python Playground Practice – Loops, Lists, Tuples & If Statements

**Instructions:**

1. Open your Google Colab notebook
2. Guess what the code will do
3. Run it to check! 🎉

🌟 **Tips for Coders:**

* range(3) = 0,1,2
* Lists use square brackets: ["apples", "bananas"]
* Use .append() to add items to the END of a list
* Positions start at 0: [0=first, 1=second, 2=third]
* Tuples use () and cannot be changed

🔤 **Question 1: Spell It Out!**  
Write a for loop that prints each letter in "Banana".

🔢 **Question 2: Number Parade**  
Use range(0, 5) to print the numbers marching in a row.  
Expected: 0, 1, 2, 3, 4

🍎 **Question 3: Fruit Basket**  
Make a list fruits = ["apple", "mango"]  
Print the list.

🦁 **Question 4: Add to the Zoo!**

1. Create animals = ["lion", "tiger"]
2. Add "elephant" using .append()
3. Print your list

🎨 **Question 5: Pick a Color**  
From this list:

colors = ["red", "blue", "green", "yellow"]

Print the **third color**.  
Hint: Remember, counting starts at 0!

🤖 **Question 6: Robot Dance Moves**  
Use a for loop to print each move in:

moves = ["spin", "jump", "slide"]

🧮 **Question 7: Double the Numbers**  
Make a list nums = [1, 2, 3]  
Use a for loop to print each number times 2.  
Expected: 2, 4, 6

🎁 **Question 8: Gift Collector**

1. Make an empty list gifts = []
2. Add "ball", "doll", "book" using .append()
3. Print your list

📅 **Question 9: Days of the Week (Tuple Time!)**  
Create a tuple:

days = ("Monday", "Tuesday", "Wednesday")

Print the first day.  
Then, try to change "Monday" to "Funday"… what happens? 🤔

☔ **Question 10: Weather Helper (If Statement)**  
Make a variable:

weather = "sunny"

Write an if/elif/else that prints:

* "Wear sunglasses! 😎" if sunny
* "Bring an umbrella! ☔" if raining
* "Have a nice day! 🙂" otherwise