**Day 2: Conditional Statements & loops**

Step 1: Google Colab

* Open your Colab notebook.
* Create a new code cell and write the following code:

# Odd-Even Checker

def odd\_even\_checker():

    num = int(input("Enter a number: "))

    if num % 2 == 0:

        print(f"{num} is Even.")

    else:

        print(f"{num} is Odd.")

odd\_even\_checker()

**Output: Enter a number: 3**

**3 is Odd.**

* Hit **Shift + Enter** to run the cell.
* You'll get an input box below the cell where you can type a number.

**Step 2:**

* Add a **new code cell** in your notebook.
* Write the code below and run it.

def pattern\_generator():

rows = int(input("Enter the number of rows for the pattern: "))

for i in range(1, rows + 1):

print("\*" \* i)

pattern\_generator()

* Enter a number (like 5), and it will print a triangle of \* symbols.

**Output**

**enter the number of rows for the pattern: 5**

**\***

**\*\***

**\*\*\***

**\*\*\*\***

**\*\*\*\*\***