Getting started

The document you are reading is not a static web page, but an interactive environment called a **Colab notebook** that lets you write and execute code.

For example, here is a **code cell** with a short Python script that computes a value, stores it in a variable, and prints the result:

```
#Calculation of Mean precipitation by Isohytel Method
#The value of precipitation at Each station i
p1= int(input("Enter the value of rainfall at Station 1:"))
p2= int(input("Enter the value of rainfall at Station 2:"))
p3= int(input("Enter the value of rainfall at Station 3:"))
p4= int(input("Enter the value of rainfall at Station 4:"))
p5= int(input("Enter the value of rainfall at Station 5:"))
p6= int(input("Enter the value of rainfall at Station 6:"))
p7= int(input("Enter the value of rainfall at Station 7:"))
p8= int(input("Enter the value of rainfall at Station 8:"))
# Area for each station
A1= int(input("Enter the value of Catchment Area for raingage station 1:"))
A2= int(input("Enter the value of Catchment Area for raingauge station 2:"))
A3= int(input("Enter the value of Catchment Area for raingauge station 3:"))
A4= int(input("Enter the value of Catchnent Area for reingauge station 4:"))
A5= int(input("Enter the value of Catchment Ares for raingauge station 5:"))
A6= int(input("Enter the value of Catchment Area for raingeuge station 6:"))
A7= int(input("Enter the value of Catchment Area for reingauge station 7:"))
# The total catchment area is
A= A1+ A2+ A3+ A4+ A5+ A6+ A7
print("The value of Total Catchment area is:", A)
# Mean Precipitation
p=((p1+p2)*A1/2 + (p2+p3)*A2/2+ (p3+p4)*A3/2+ (p4+p5)*A4/2 + (p5+p6)*A5/2 + (p6+p7)*A6/2 + (p7+p8)*A7/2)/A
print("the value of Mean Precipitalon is:", p)
```

```
Enter the value of rainfall at Station 1:14
Enter the value of rainfall at Station 2:12
Enter the value of rainfall at Station 3:10
Enter the value of rainfall at Station 4:8
Enter the value of rainfall at Station 5:6
Enter the value of rainfall at Station 6:4
Enter the value of rainfall at Station 7:2
Enter the value of rainfall at Station 8:0
Enter the value of Catchment Area for raingage station 1:90
Enter the value of Catchment Area for raingauge station 2:140
Enter the value of Catchment Area for raingauge station 3:125
Enter the value of Catchnent Area for reingauge station 4:140
Enter the value of Catchment Ares for raingauge station 5:85
Enter the value of Catchment Area for raingeuge station 6:40
Enter the value of Catchment Area for reingauge station 7:20
The value of Total Catchment area is: 640
the value of Mean Precipitalon is: 8.40625
```

```
seconds_in_a_day = 24 * 60 * 60
seconds_in_a_day
```

```
86400
```

To execute the code in the above cell, select it with a click and then either press the play button to the left of the code, or use the keyboard shortcut "Command/Ctrl+Enter". To edit the code, just click the cell and start editing.

Variables that you define in one cell can later be used in other cells: