Lab 2

1. **Do this work only in google colab**

2. **You will submit a snapshot of your output to canvas and be ready to demo your program in class**

```
print('hello colab: My name is *enter your name here* ')
print("testing jupyter-based notebook in colab")


print('hello colab')
print("testing jupyter-based notebook in colab")


import numpy
import matplotlib.pyplot as plt
from scipy import stats


#Generating data
x = numpy.random.uniform(0.0, 5.0, 250)
print(x)


#print a histogram from the data
plt.hist(x,5)
plt.show()


# x = numpy.random.normal(5.0, 1.0, 100000) #100000 values Bell shape at value 5 and stdev1.
x = [5,7,8,7,2,17,2,9,4,11,12,9,6]
y = [99,86,87,88,111,86,103,87,94,78,77,85,86]


#A scatter plot
```

```python
plt.scatter(x, y)
plt.show()
```