

## Python for Data Analysis

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### **Week#4 – Practicals**

After executing the examples of .ipynb files, review what you have learned with the following simple exercises:

- 1) Write a NumPy program to create a 1-D array going from 0 to 50 and an array from 10 to 50.
- 2) Create a 1-D numpy array.
- 3) Create a 2-D numpy array.
- 4) Create two 2-D numpy arrays and do (+,-,/,\*) operations on them.
- 5) Show an example of index operations on a 2-D array?
- 6) Show an example of slicing operation on a 2-D array?
- 7) Show an example of slicing operations on 1-D array?
- 8) Show an example of index operations on a 1-D array?
- 9) Create a random empty 2-D array and only ones 2-D array then show mathematical operations on them.