NUMPY-1

Rules :

1. 9:02 - 9:10 PM — Revision
2. 9:10 - 10:15 — Current day's Topic
3. 10:15 - 10:20 — Break
4. 11:00 / 11:15 — Wrapup
5. 11:15 / 11:30 — doubts.

Introduction
↓
Explain -
↓
Repeat -
↓
doubt session.

Questions : Question Tabs

Chats → Comment / Replies

Understanding → forget → Revision

Notes

1. ipynb → Google Colab / Jupyter Notebook
2. pdf of ipynb ←
3. pdf of Scribble Notes
4. Dataset

→ Zipfile on dashboard + GDrive folder

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1. NUMPY
2. PANDAS
3. DATA VISUALISATION - Matplotlib, Seaborn

} ≈ 1000

Reading Documentation → Source of truth

① 60% + 20% + 20%

live Assessments Experience/Explore

② Assignment Solving Session → Non class day

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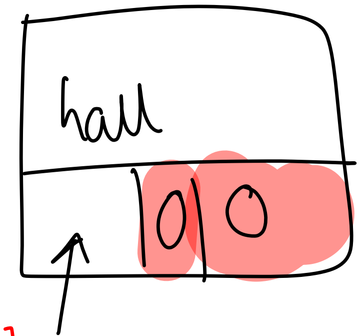
① Pre Post Read →

AIRBNB

User feedback.

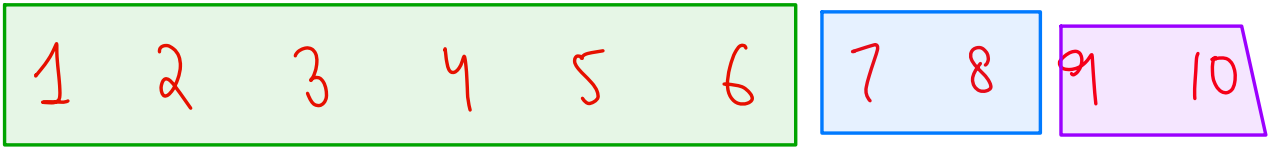
[0 — — 10]



Customer Sentiment

→ Metrics → NPS - Net Promoter Score

NPS = % promoter - % detractors



$$NPS = \left(\frac{50}{100}\right) - \left(\frac{20}{100}\right) = .30 \times 100$$

100 Total
50 Pr
30 Pa
20 Det

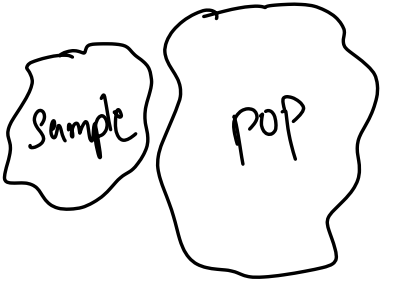
NPS = 30

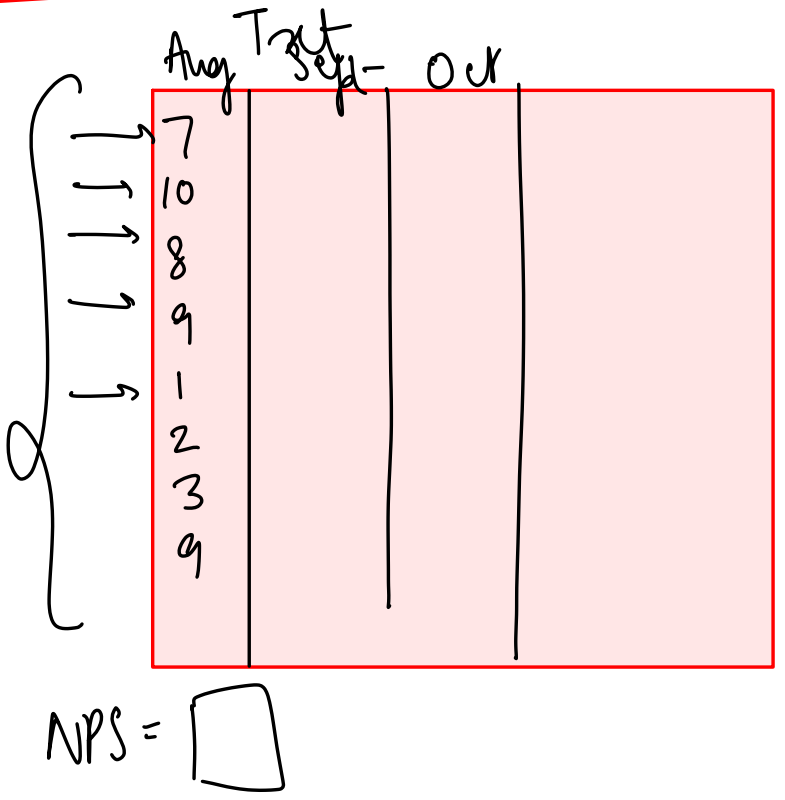
→ Periodically (Monthly, Quarterly)

Apr	May	June	July	August
30	42	57	30	70

Biz Sense

HT





Number

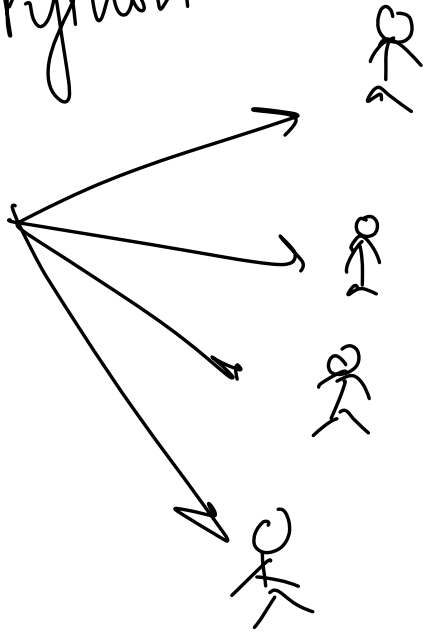
NUMPY - Libraries

Numerical Python

PANDAS
- Numerical
- String

* Sum
* Diff
* Multiply
* Division

→ Class / file



NUMPY ARRAY's → C

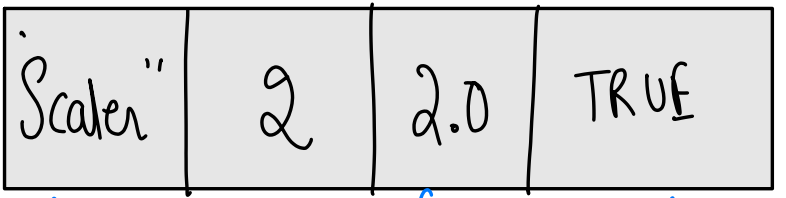
1. Homogenous ✓ → [1 , 2 , 3 , 4 , 5]
2. Fast → [1.0 , 2.0 , 3.0 , 4.0 , 5.0]
3. Simple Syntax → ["S" , "C" , "A" , "L"]
4. Functions

PYTHON LISTS → ["Scaler" , 2 , 2.0 , TRUE]

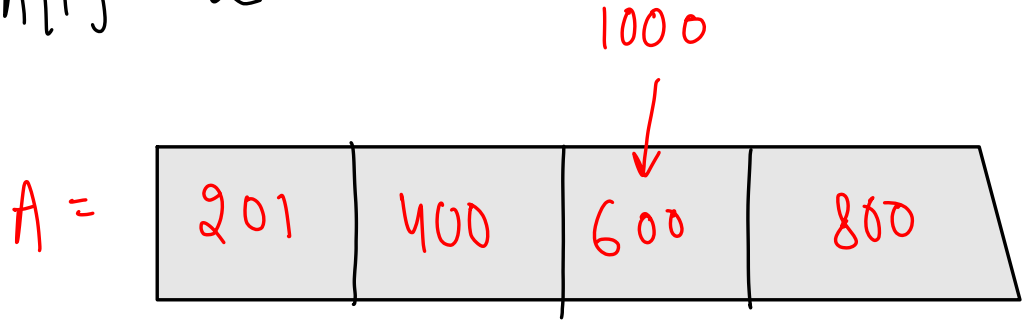
1. Heterogenous
2. Slow
3. Complicated Processes (Eg - for loop)

Internal working

① List A =

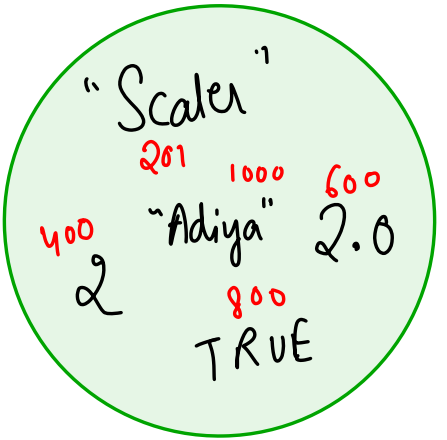


A[0] = "Scaler"
A[1] = 2



A[2] = "Aditya"

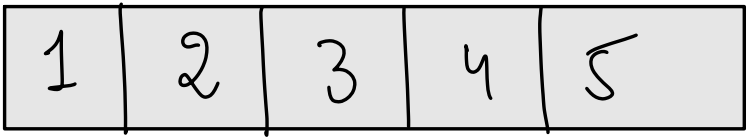
201, 400, 1000, 800



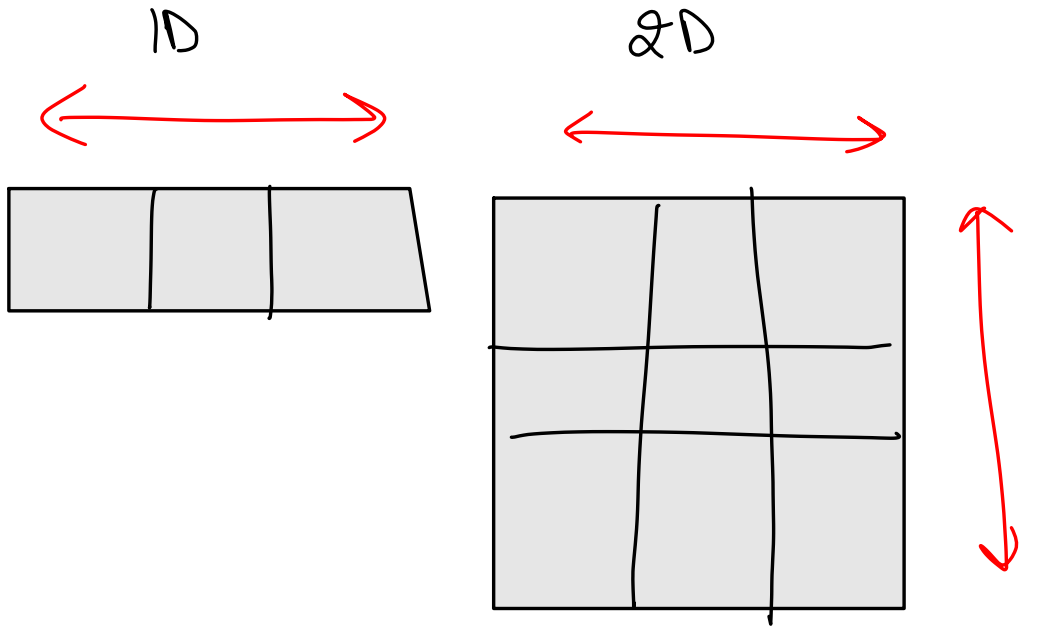
Integer Caching
-5 to 255

NUMPY ARRAY → Continous Memory Block

A =

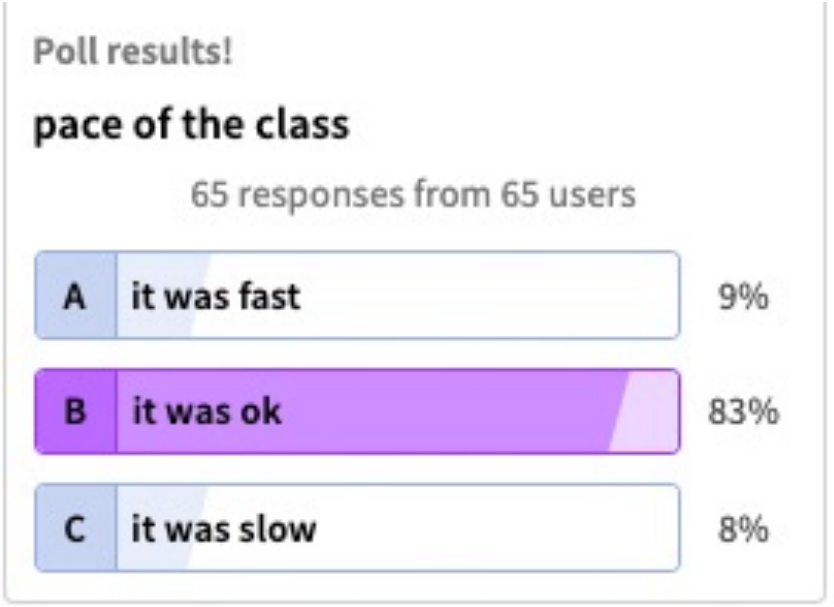


A[2] = 3



shape = (3 ,)

shape = (3 , 3)


Poll results!
pace of the class
65 responses from 65 users
A
it was fast
9%
B
it was ok
83%
C
it was slow
8%