14-06-2025

Agenda:

- pandas - πl
- unit intro
  - installation
  - github
  - UI / CLI
  - practical

Numerical Data → 1 : int   1.01 : float
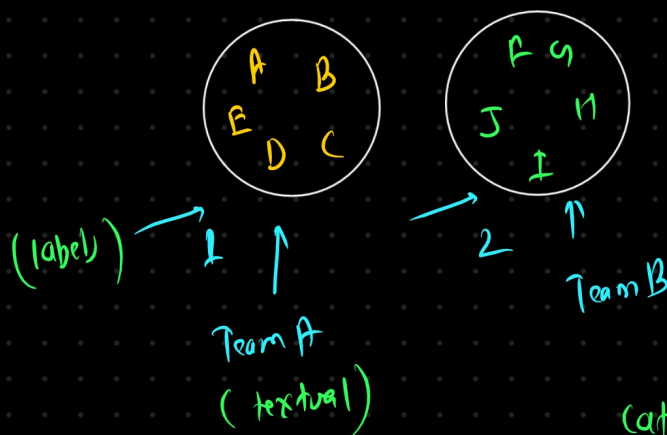
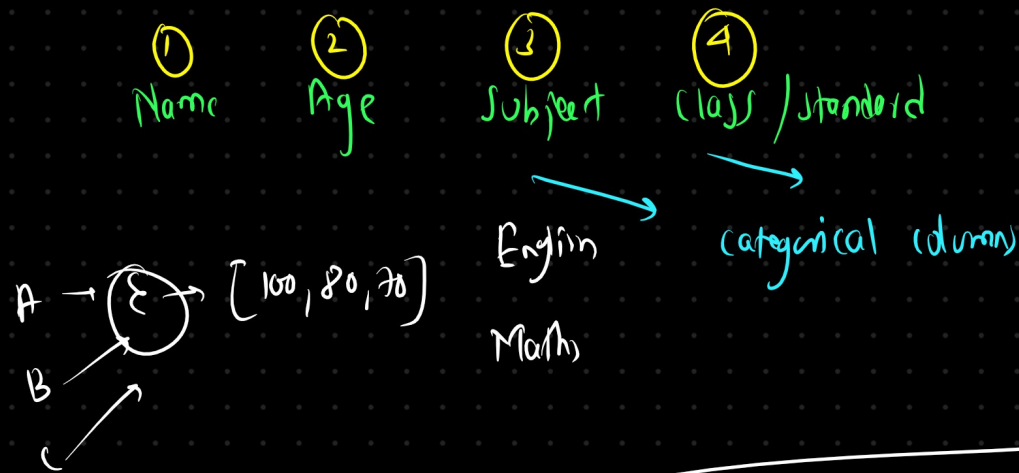String   →   "Hello"

Boolean   →   True or False | 0 or 1
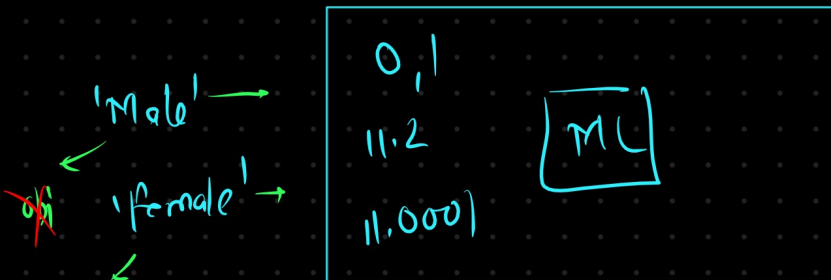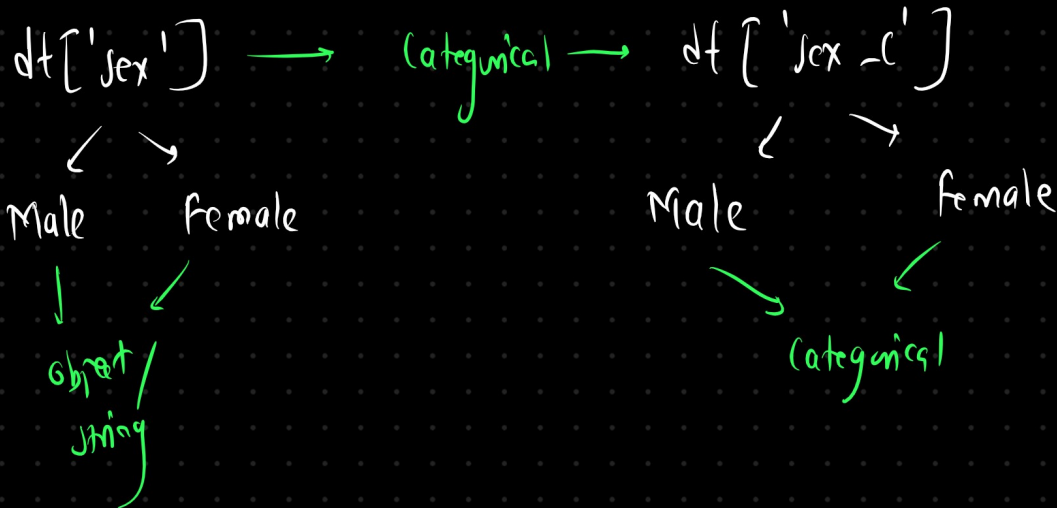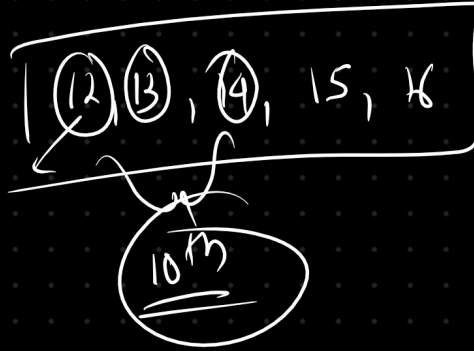
Categorical Data :—

→ groups

→ discrete categories

(label) → 1 ↑   2 ↑

Team A   Team B
(textual)

category labelled
colum
{
A → 1 | Team A
B → 1 | Team A
C → 2 | Team B
D → 2 | Team B

categorey

① Name ② Age ③ Subject ④ Class / Standard

→ categorical column

A → {ξ} → [100, 80, 70]   English

B   Math

C

1 — 100

[⑫ ⑬, ⑭, 15, 16]

10th

dt['sex'] → categorical → dt['sex _c']

Male   Female   Male   Female

object /   categorical
string

'Male' → | 0,1 |
         | 11.2   [ML] |
'female' → | 11.000) |

obj

obj

Obj → categorical

male
female
$\rightarrow$ unique $\rightarrow$ male
female $\rceil$ Alpha $\rightarrow$ [female , male]
sort   0   1

$\equiv$
$\equiv$
$\equiv$
$\equiv$

df[ ] = df['Sex_C'].cat.codes
$\uparrow$

... 1200 ...

tyu

adf

wer

① 'tyu' > 'adf' $\longrightarrow$ string [p_class]
                                            $\downarrow$
② 3 > 1 $\longrightarrow$ numerical

'tyu' > 'adf' > 'wer' $\rightarrow$? $\rightarrow$

GIT

14 - 06 - 2025


```
a.py  ✓
util.py
```
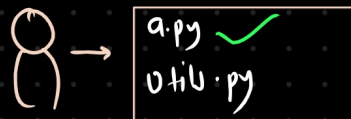
TODO. v1

→ 18 - 06 - 2025
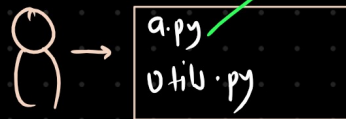
update (added more functionality)


```
a.py
util.py
```

↑ chatgpt

TODO. V2

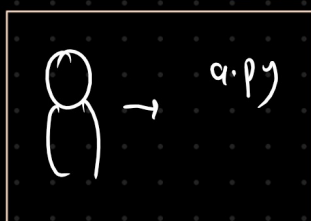→ checking → error

v1 → lost
v2 → error
v3
v4
v5
v6
⋮
v1000

facebook → day - 1
⋮
changes
⋮
day N

→ developer friendly
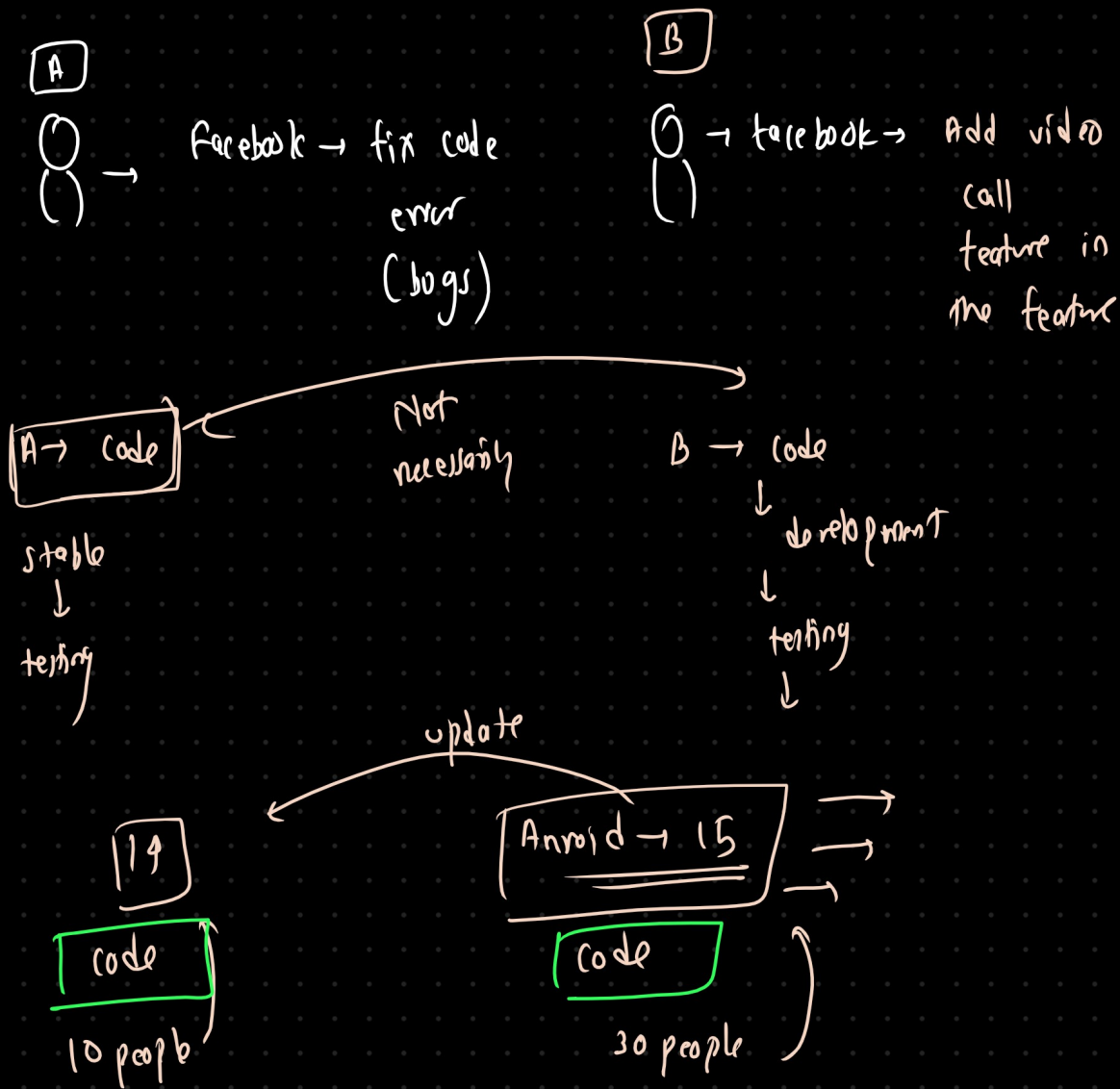
versioning tool

v1   v2   v3
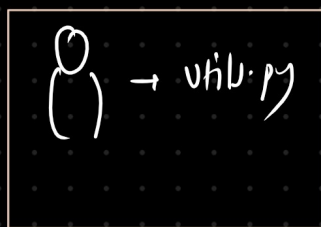
write code → Editor

run code → IDE

programming →

libraries →

→ a.py

A
└ util.py ?

TODO

→ util.py

B
└ a.py ?

TODO

issue → track changes

* versioning tool

* Track code changes

A

B

⊙→ facebook → fix code
       error
       (bugs)

⊙ → facebook → Add video
                         call
                         feature in
                         the feature

A → code

Not
necessarily

B → code
        ↓
        development
        ↓
        testing
        ↓

stable
↓
testing

update

19

Anroid → 15

code

Code

10 people

30 people

Project — Android

* separate code

* versioning tool

* Track code changes

* separate code by functionality (branches)

} git

<u>github</u>

→ stores git
repositories online

→ share code online
(public or private)

→ pull request, branch

git → version
→ collaborate with others
→ revert back changes

git commit -m "message"

$\left\{ \begin{array}{l} a.py \rightarrow \\ b.py \rightarrow \end{array} \right.$ $\left. \begin{array}{l} \\ \end{array} \right\}$ time.time/
$\downarrow$
first
commit

track