Ahmed 123 ✗

20AhmeD20 ✓

① at least 8 char $^{len(-)}$
② at least 2 upper $^{isupper()}$
③ at least 2 digits $^{isdigit()}$

upper_count
┌─────────┐
│   0   │
└─────────┘
  ~~1~~
   2

digit_count
┌─────────┐
│   0   │
└─────────┘
  ~~1~~
  ~~2~~
  ~~3~~
   4

Password → [is-strong-Password] → True/False
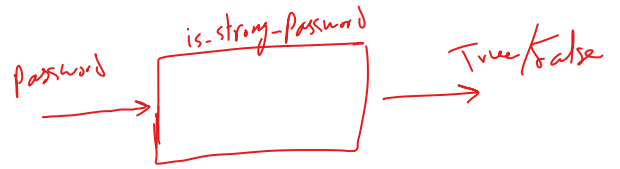
List

$x = [23, 13, 25, 17]$

Print(x) ⟹ [23, 13, 25, 17]

Print($x[0]$) ⟹ 23

Print($x[-1]$) ⟹ 17

Print($len(x)$) ⟹ 4

x
┌──┐
│ •│
└──┘

0	23	-4
1	13	-3
2	25	-2
3	17	-1

$x.$ ┌═══┐ → methods

Enter num of std: 5

Enter std mark: 55
~ ~ ~ : 65
~ ~ ~ : 75
~ ~ ~ : 44
~ ~ ~ : 58

marks
┌──┐
│ •│
└──┘

marks	
55	→ B
65	→ A
75	→ A
44	→ D
58	→ B

A ⟹ m >= best⁶⁵-10
B ⟹ m >= best⁵⁵-20
C ⟹ m >= best⁴⁵-30
D ⟹ m >= best³⁵-40
F ⟹ else

best = max(—)

Enter num of emps: 4

Salaries

Enter emp. sal: 7000

~ ~ ~ : 13000

— ~ — : 5000

~ ~ ~ : 15000

	Count
7000	0
13000	1
5000	2
15000	

$$avg = \frac{sum(-)}{len(-)} \rightarrow 10000$$