

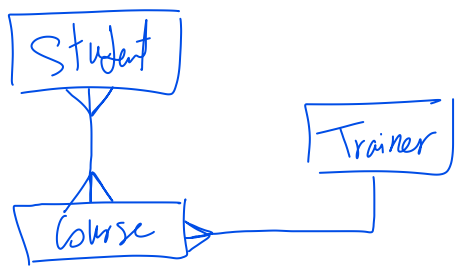
Web Development
Data Science
network/security

5W
4d
2hr

Intro to Programming Using Python

File R/w
Connect DB
GUI
(HR system)

- Input/output
- Variables/Datatypes
- Expressions/functions
- if-stat.
- Loops (for, while)
- List, dict. - - -
- functions
- OOP



Programs :
* Python
* PyCharm

Errors :
* Syntax
* Runtime
* Logic

Input
Storage
Process
output

salary → Variable
7000
int
float
str

$$\text{annual-salary} = \text{salary} * 12$$

mark
23
Full-mark
25

$$\text{Pct} = \frac{\text{mark}}{\text{full-mark}} * 100$$

92

Math Operators

- 1 **
- 2 *, /, //, %
- 3 +, -

$$5^2 \rightarrow 5 ** 2 \rightarrow 25$$

5/2 → 2.5	5//2 → 2	7%3 → 1
3/2 → 1.5	3//2 → 1	11%3 → 2
		10%2 → 0

2 + 3 / 3

3 / 3 * 2

