

OOP

object → place in memory
→ special variable

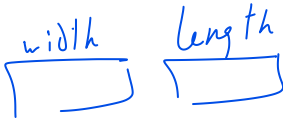
class → code → Define operations on objects

How to create an object?

Student

Trainer

Course

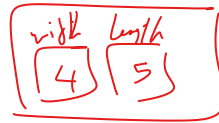


$$\text{area} = \text{width} \times \text{length}$$

OOP

Rectangle

width
length



Rectangle(-, -)
getArea()



$$\text{bmi} = \frac{\text{weight}}{(\text{height}/100)^2}$$

< 18.5 Underweight

< 25 Normal

< 30 overweight

Obese

OOP

Patient

name
weight
height

Patient(-, -, -)

getBMI()

getStatus()

name	salary	hireYear

$\text{annualSalary} = \text{salary} * 12$

$\text{servicePeriod} = 2022 - \text{hireYear}$

12.4
9.1, 9.2

OOP

Employee

name

salary

hireYear

Employee (-, -, -)

getAnnualSalary()

getServicePeriod()

