Applied!

Computer Networks

Behnam Amiri

acn.dailysec.ir

aComputerNetworks.github.io

Spring 2025

whoami?

- Behnam Amiri
- Father!
- Master of Network Security (SUT)
- PHD Student (KNTU)
- Founder & AmnBAN
- 12+ years experiences in (AmnBAN, NETEL, Post, …)
- ITO & Afta Instructor
- Cources: Network Security, Hardening, AD Security, Pentest, …
- Network Security, Monitoring, Pentest, Hardening, ML in Security

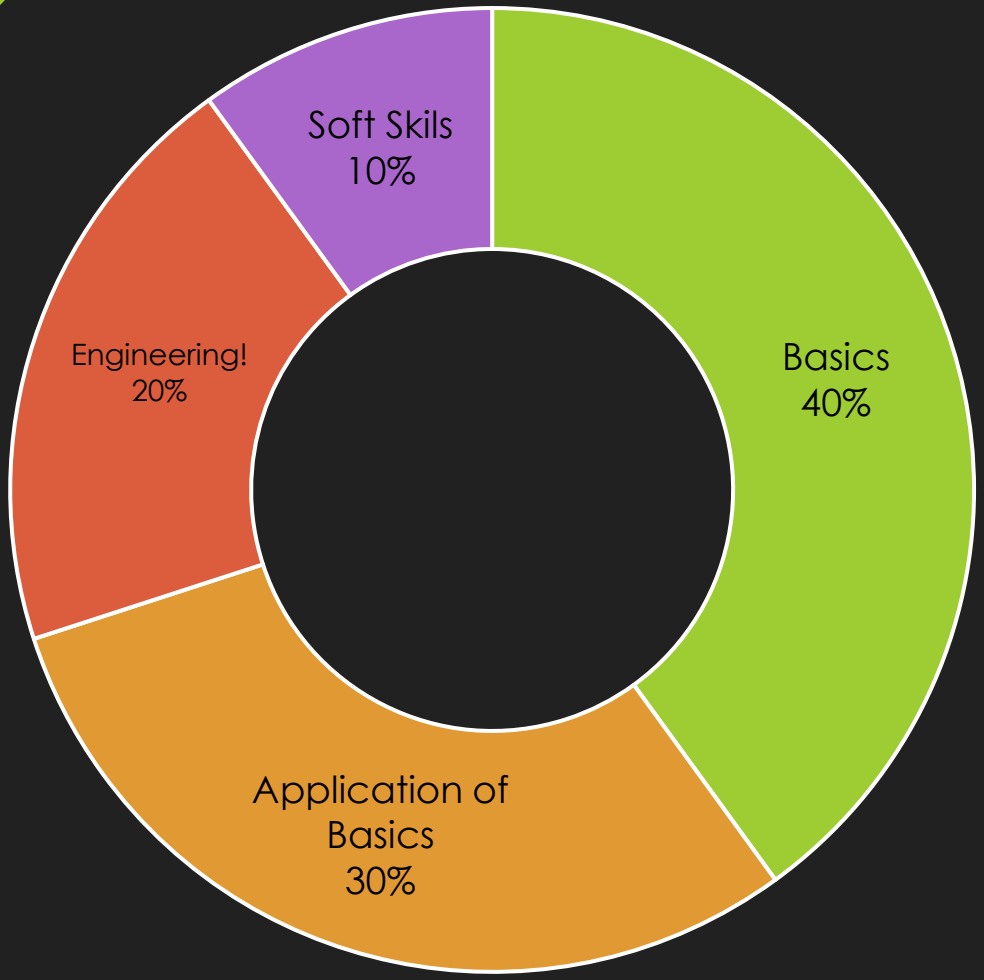
Who are you?

Reveal Yourself!

Why Computer Networks?

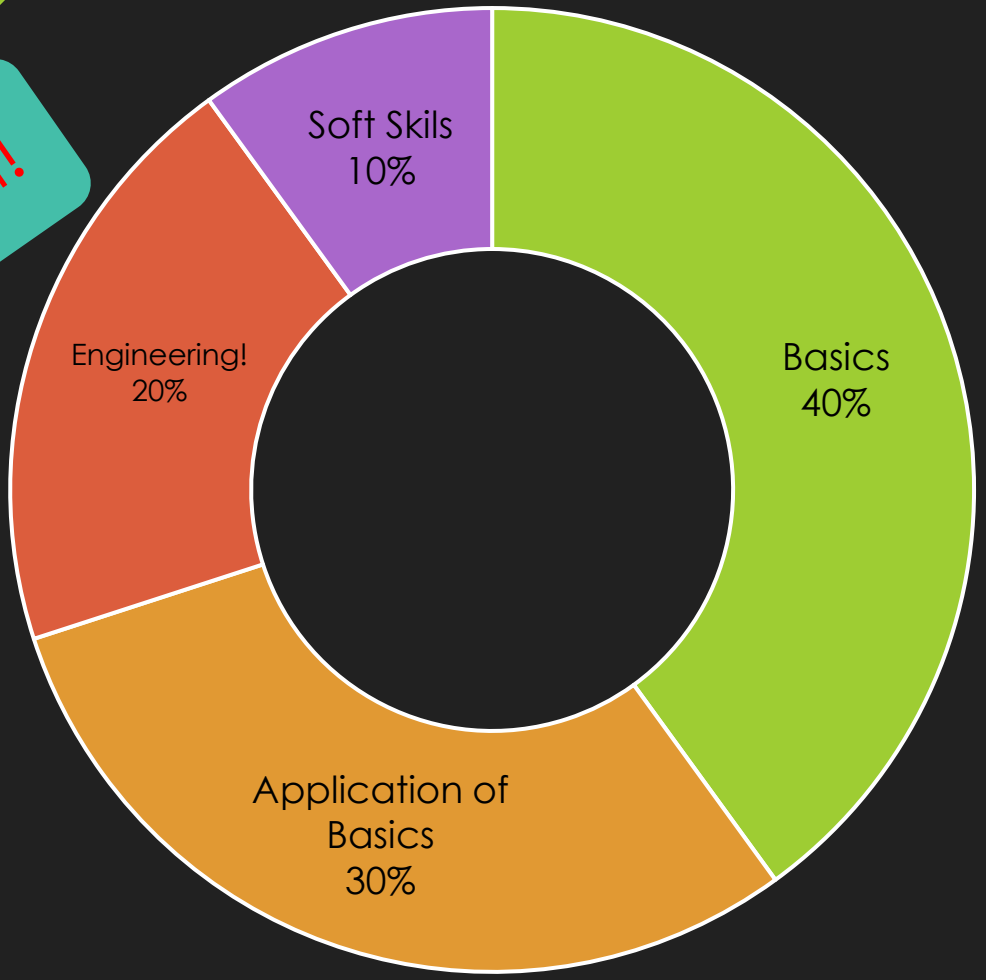
- Usage in work and Life
- Daily usage
  - Internet, Chat, Video, Game, …
- Need for Security

Course Contents



Course Contents

Applied!



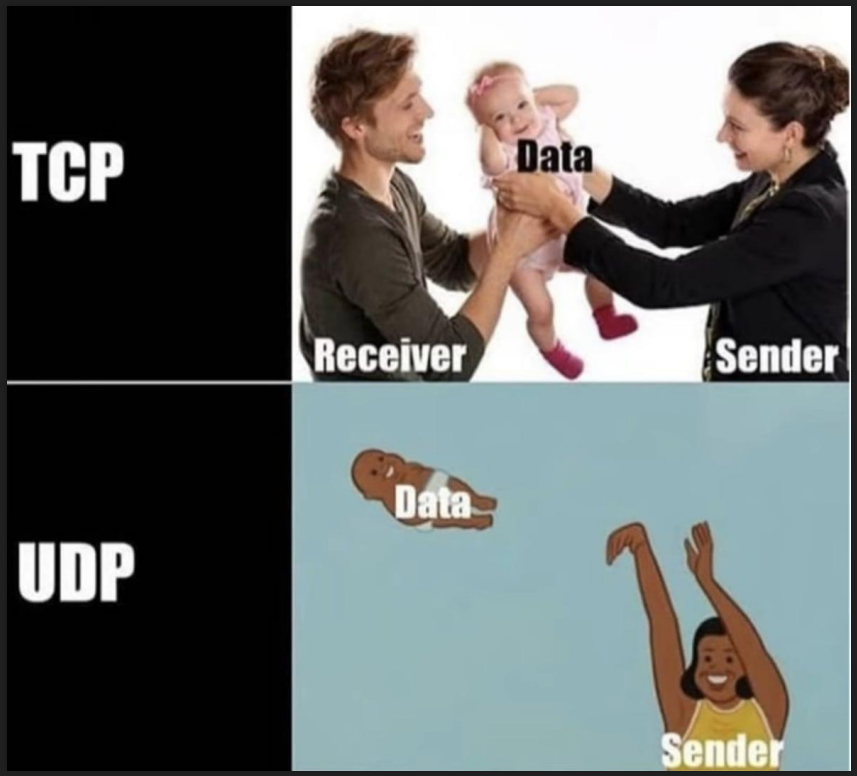
Topics

- Network
- Internet
- TCP/UDP
- Web, HTTP/HTTPS
- DNS, ICMP
- Switching
- Routing
- Network Managment
- Daily & Work usage
- Soft Skills

The goal of the course

https://acn.dailysec.ir/about/

The goal of the course



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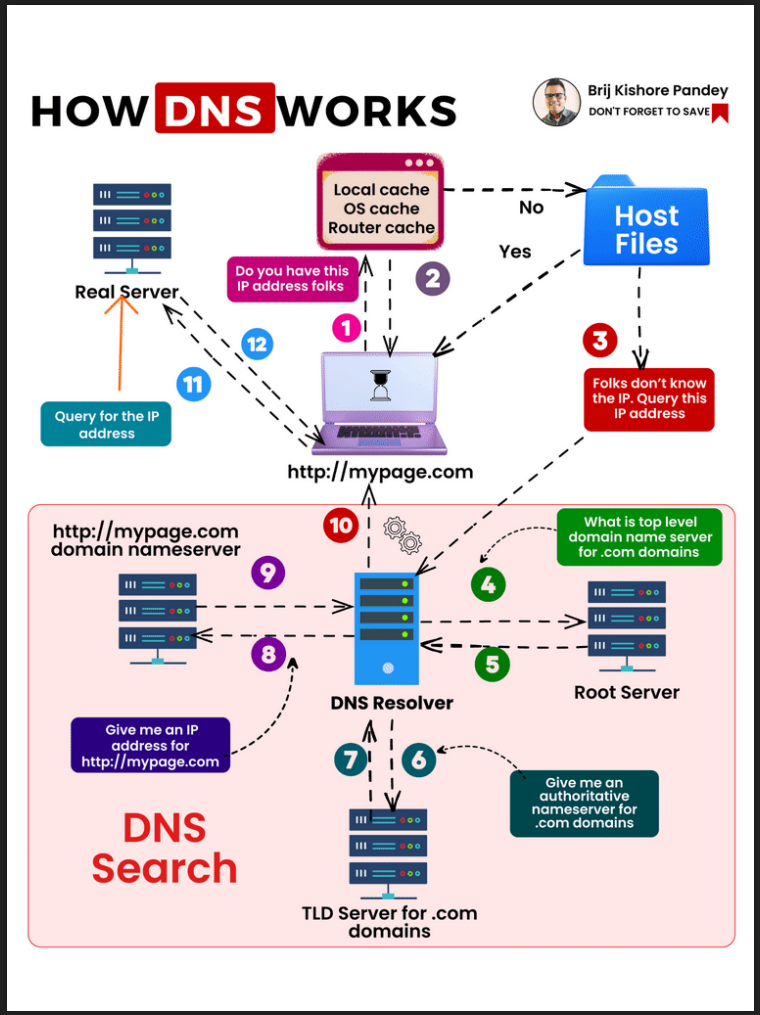

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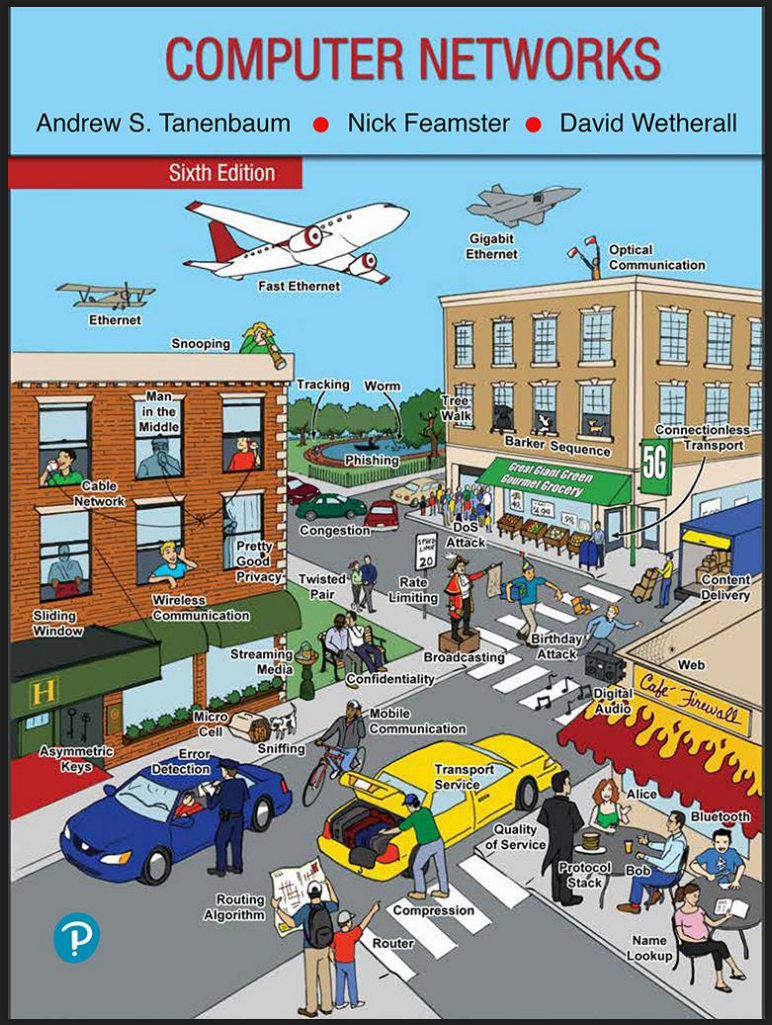


Textbook

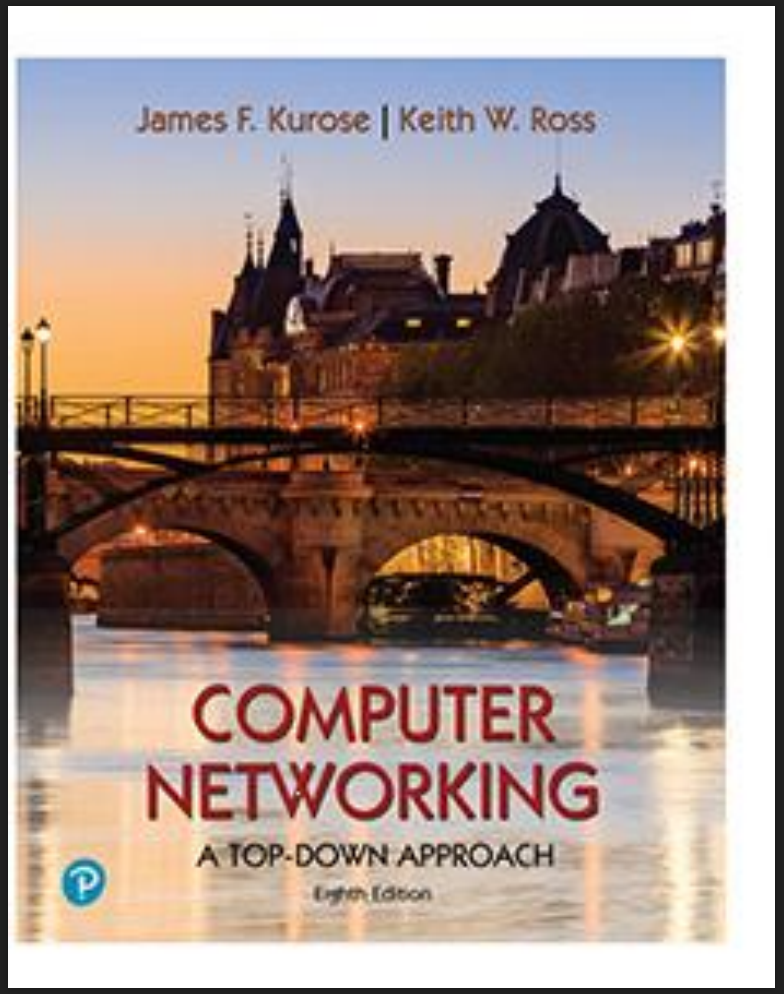
- No Book!

Support Materials

Computer Networking, 8E

Pearson 2022

by James F. Kurose

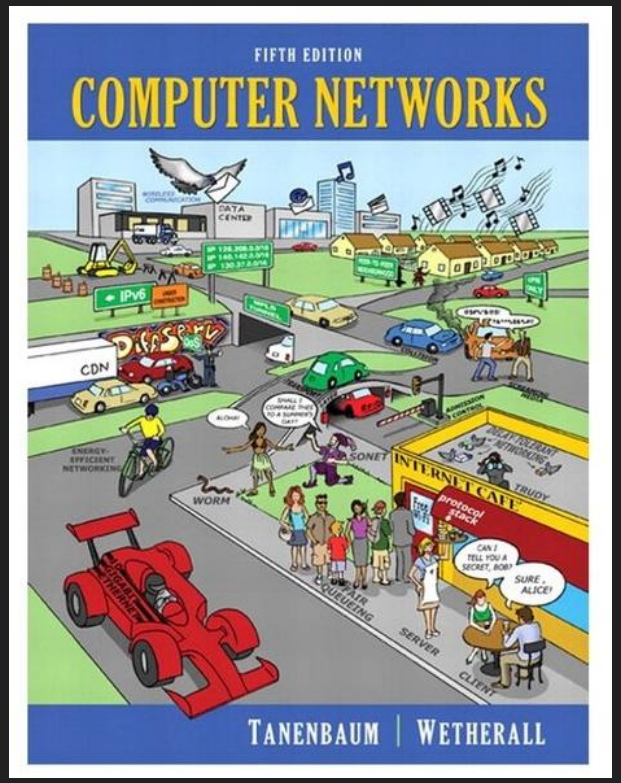


Support Materials

Computer Networks, 6th Edition

2021

by Andrew Tanenbaum



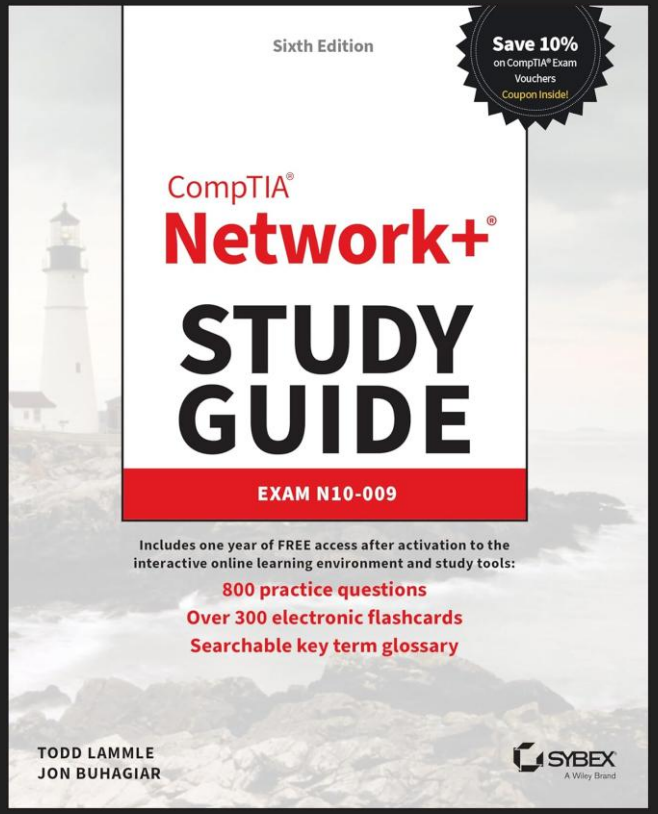
Support Materials

Network+ Study Guide

Sybex

2024

by Todd Lammle



My goal?

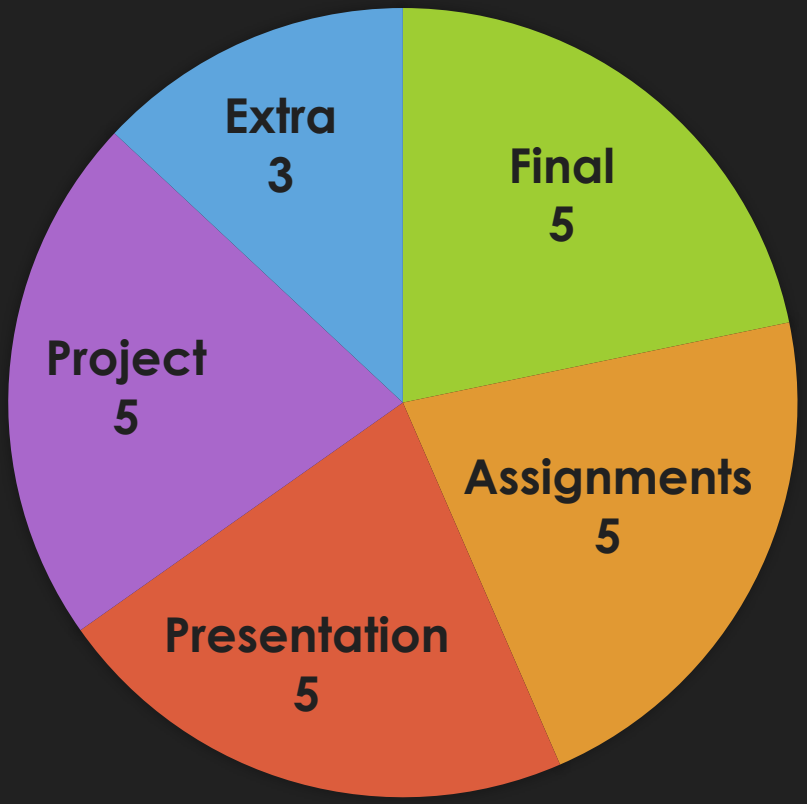
- Money!
- Free Time!!
- Love Teaching

My goal?

- ~~Money!~~
- ~~Free Time!!~~
- ~~Love Teaching~~
- ✓ Need for Applied cources
- ✓ Inovation!
- ✓ new experiences
- ✓ Get Feedback
- ✓ Find new friends

What do you want to learn?

Grading Information



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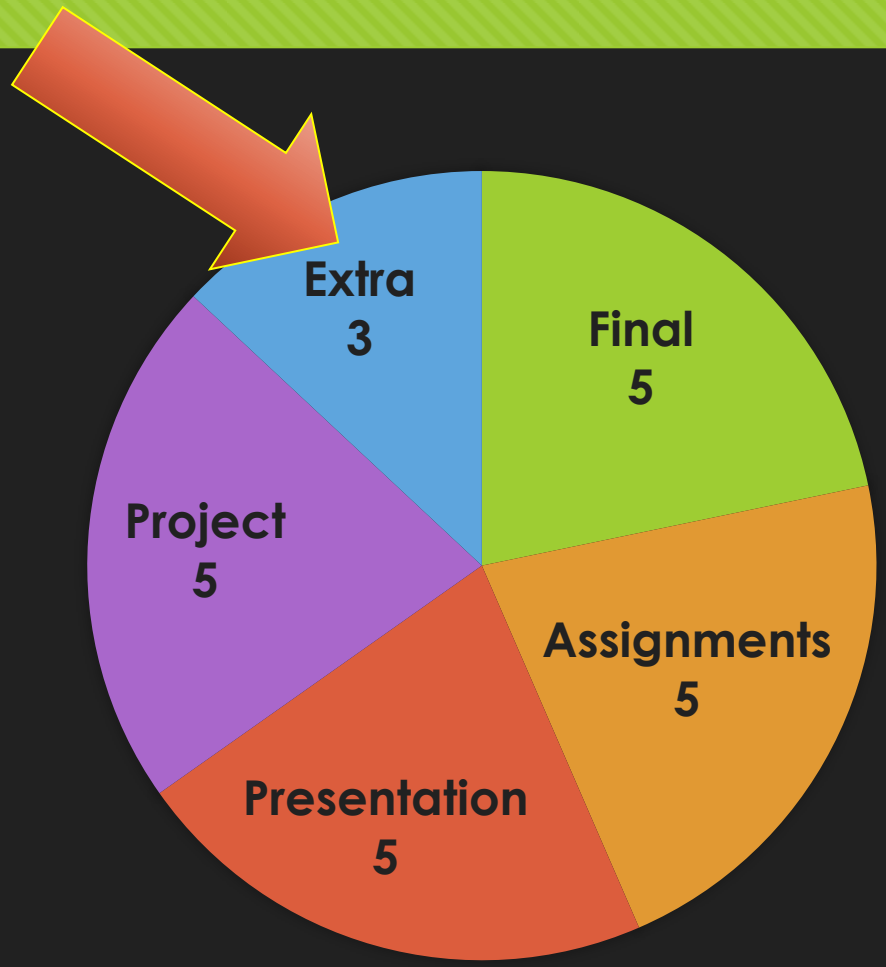

Rules

- ✓Help & Learn Together
- ❖No Record!!
- ❖No Phone
- ❖No Cheating
- ✓Perfect Assignment

Why this Rules?

- ✓Help & Learn Together
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- ✓Perfect Assignment

What is the best course you have ever taken?

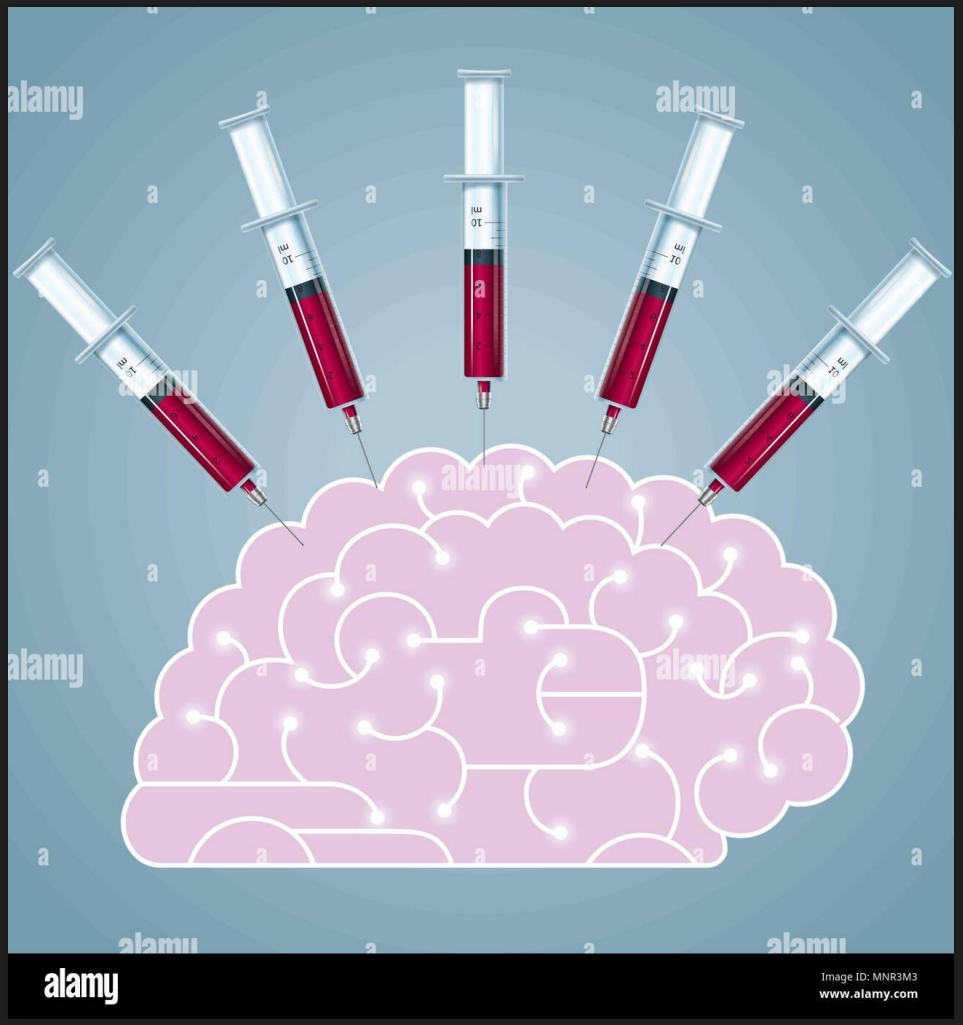
Life Goal!?

Is this course suitable for me?

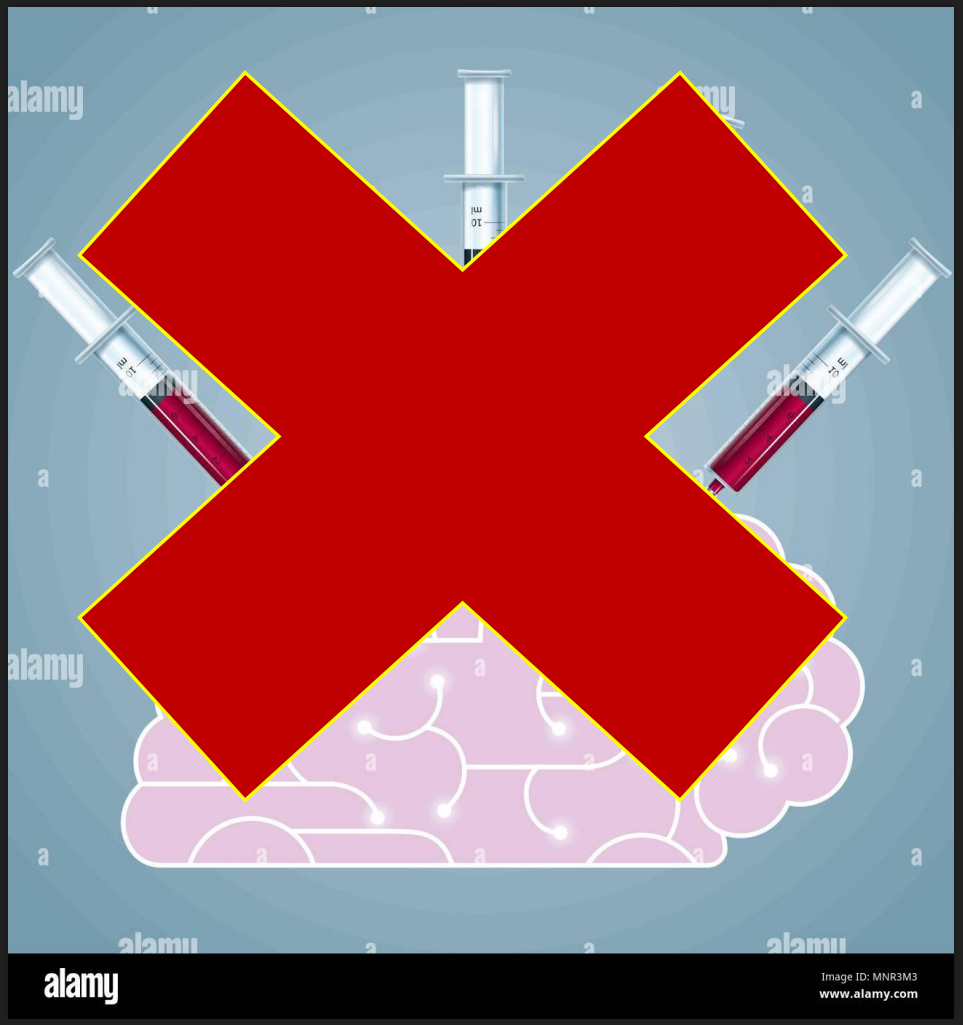
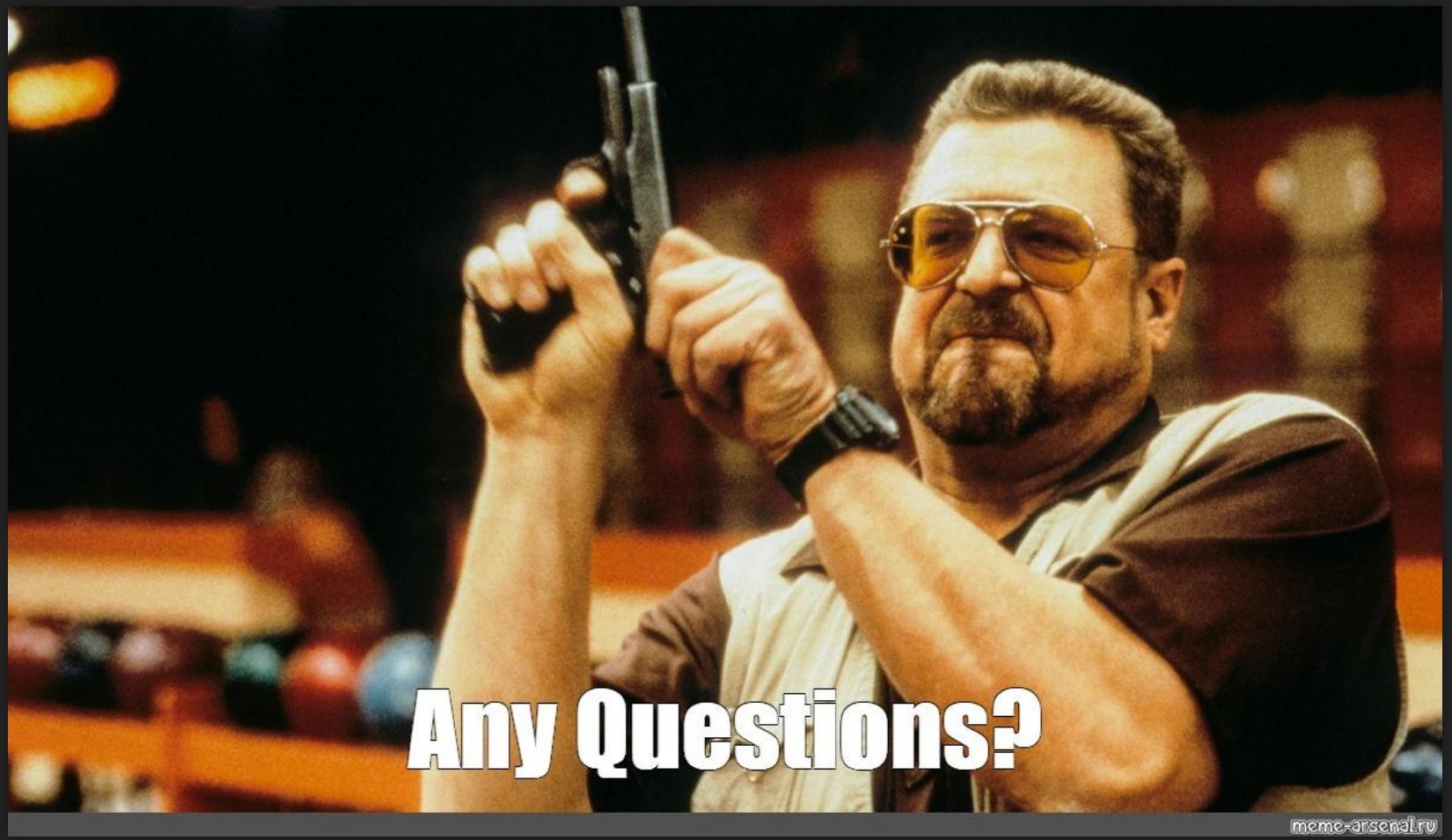
Is this course suitable for me?

- Important courses
  - Programming
  - Data Structure
  - Computer Networks
  - Machine Learning
- This not last second course!
- Strongly Recommended

Is this course suitable for me?



Is this course suitable for me?



Any Question?