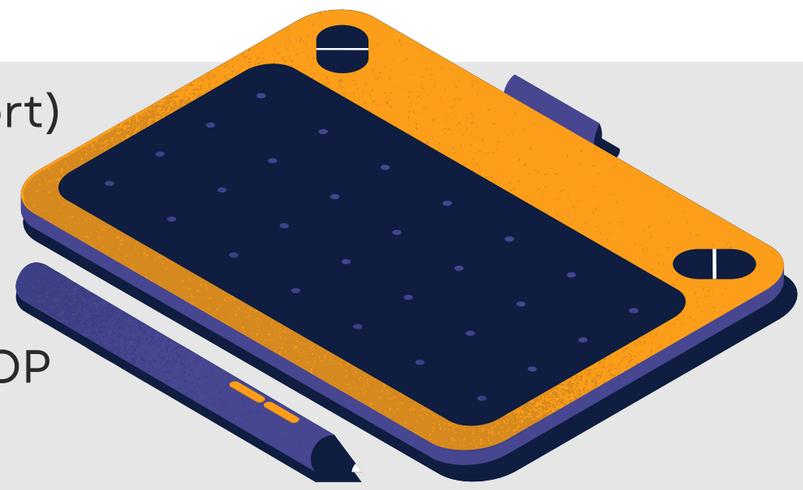
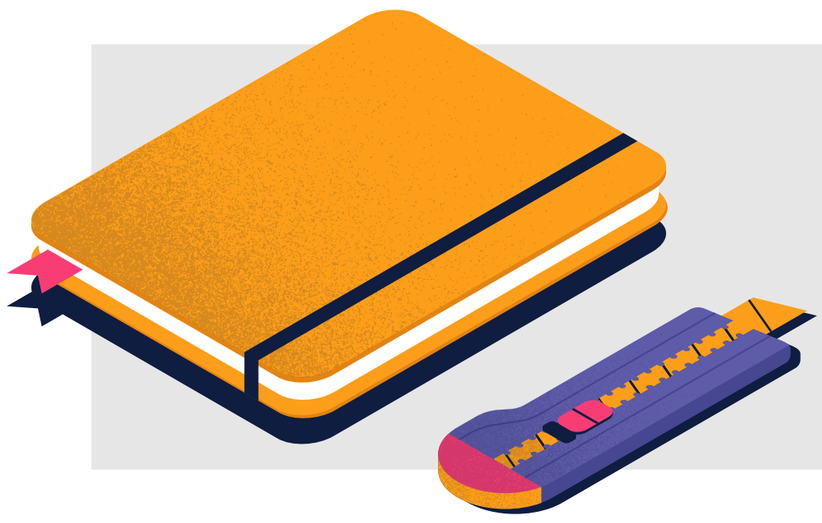
LEARN

COMPUTER SCIENCE

- Programming Basics: Start by learning a programming language. Python, Java, or JavaScript are great choices. Understand variables, loops, and conditio
- Data Structures: Dive into arrays, linked lists, stacks, and queues. These structures help organize and manipulate data efficiently.

- Algorithms: Study sorting (e.g., bubble sort, quicksort) and searching algorithms (e.g., binary search). Algorithms are the heart of problem-solving.
- Object-Oriented Programming (OOP): Learn about classes, objects, inheritance, and polymorphism. OOP promotes modular and maintainable code.





- Databases: Understand relational databases, SQL queries, and database design. Databases store and manage structured data.
- Networking: Explore protocols (like HTTP), sockets, and network layers. Networking is essential for web applications and distributed systems.
- Operating Systems: Study processes, memory management, file systems, and concurrency. OS knowledge optimizes resource utilization.

- Software Engineering Principles: Embrace version control (e.g., Git), testing, debugging, and code documentation
- Security: Learn about encryption, authentication, and common vulnerabilities.

THYNK U KEEP GOING