

Introduction to Computer Science Basics

training Workshop by NED University

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Venue: Main Lecture Hall, NED University

Facilitator: Dr. Ayesha Khan

Table of Content

- What is Computer Science?
- Programming Basics
- Algorithms & Data Structures
- Resources & References

[Click here](#)

[click](#)

What is Computer Science & Programming Basics

- Definition of CS: “Study of computers, algorithms, and information processing.”
- Applications: AI, web development, data analysis, gaming
- Programming basics: Variables, Data Types, Input/Output
- Optional: small code snippet (Python or C)

[menu](#)

Algorithms & Data Structures

- **Sorting & Searching basics (Bubble Sort, Linear Search)**
- **Data structures: Arrays, Lists, Stacks**
- **Diagram showing array/list structure**

[menu](#)

Resources & References

- Books: “Introduction to Computer Science” by Author XYZ
- Websites: tutorialspoint.com, geeksforgeeks.org
- Online courses: Coursera, edX

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