

BC02 Programming Isn't Just for Coders—It's for Thinkers

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Byteclassroom

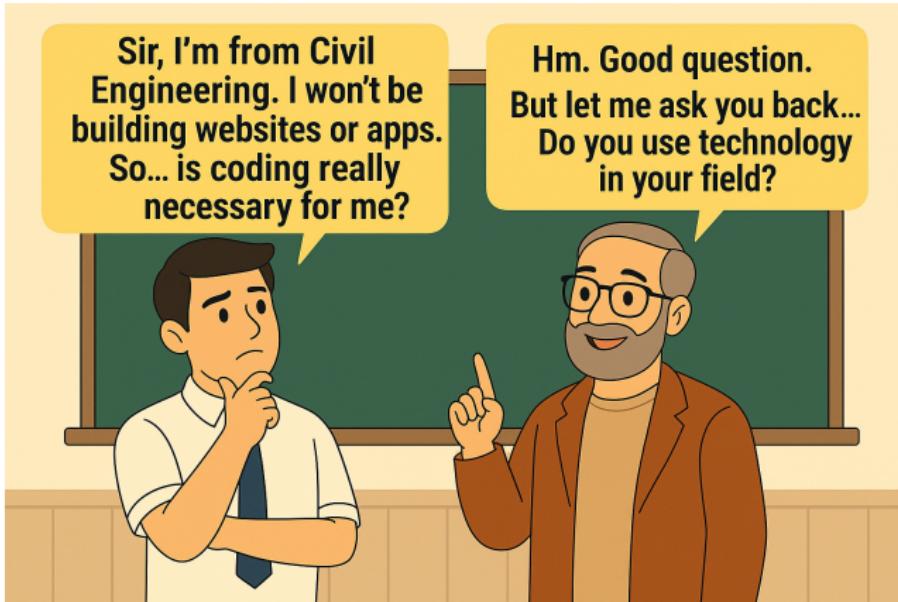
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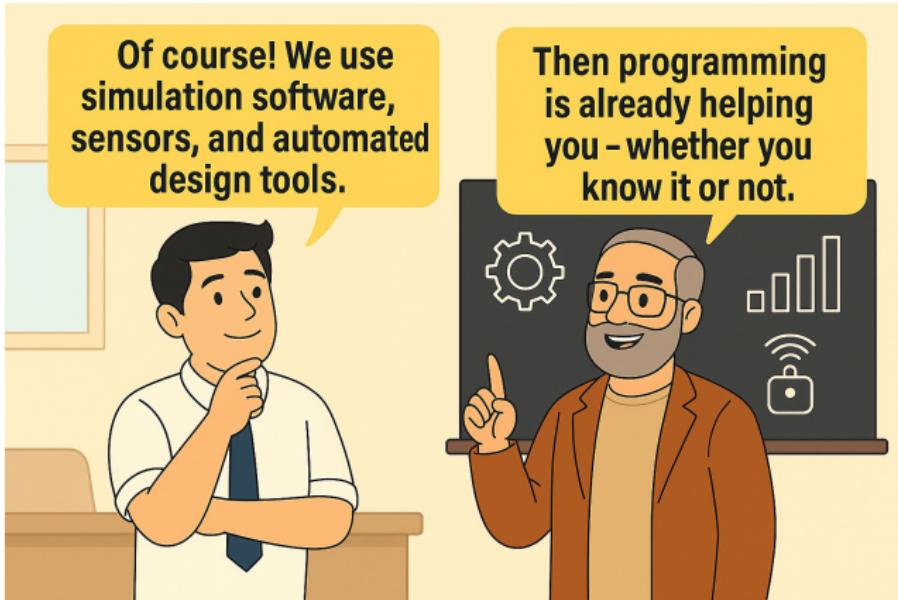
Part 1: Introduction to Programming and Python

- Programming Isn't Just for Coders—It's for Thinkers
- How to think like a programmer — even before writing your first line of code?
- Problem Solving Approach

Why should I even learn programming?



Why should I even learn programming? (Contd...)



What Programming Really Is?

- Programming isn't just for software developers

Programming in YOUR Field

- Mechanical Engineer
- Civil Engineer
- Biomedical and Medical Professionals
- Agriculture Expert
- Finance
- Management and Business Analyst
- Educators
- Designers
- Journalist
- Psychologists and Researchers

It's Not About Becoming a Programmer

- Solving Problems
- Automatic
- Logic
- Smart tools

Do Machines Think Like Us?

- Humans communicate using words, gestures, and emotions, machines "speak" through programming languages `print('Hello World!')`

Understanding Programming

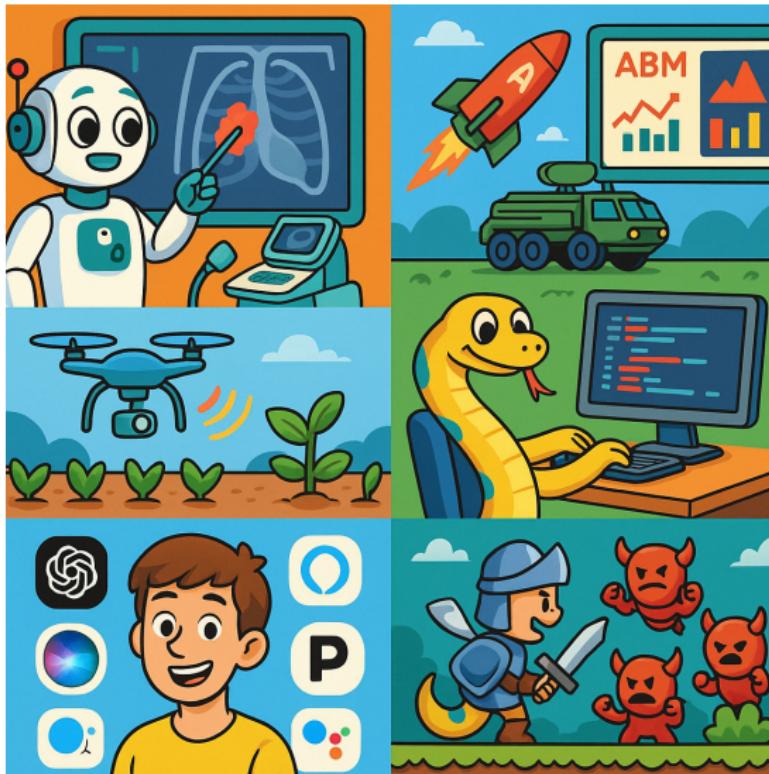
- Smart Phones to Satellites
- Camera App in your smartphone

Why Does This Matter to YOU or US?

- Programming isn't about memorizing code or syntax like theory subject or mathematical equations.
- *"Programming isn't about what you know; it's about what you can figure out."*

— Chris Pine

Why Does This Matter to YOU or US? (Contd...)



Why should I learn programming?

- I'm learning to think, solve, and shape the future.

Takeaway Message

- Programming is a mindset, not just a skill.
- Think logically, solve creatively.
- Shape the world with code—regardless of your domain.

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**The best way to predict the future is to create it — and
programming gives you that power.**