



High School Programming

Lecture: 02

WELCOME TO







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Recap Previous Lecture

-  How Computer Works?
-  What is programming? Why need programming? Types of programming
-  Data and Information
-  What is C# programming and .NET?

Agenda

-  How to do programming using **Mobile Phone?**
-  How to do programming using **Computer?**
-  Write your first program

How to do programming using mobile

Programming on a mobile phone is now quite possible and convenient. With the right apps, you can write, run, and manage code right from your smartphone.

Mobile code editors and integrated development environments (IDEs) support multiple programming languages, making it easy to work on projects wherever you are. This makes it easier to learn, practice, and develop apps on the go, without needing a computer.

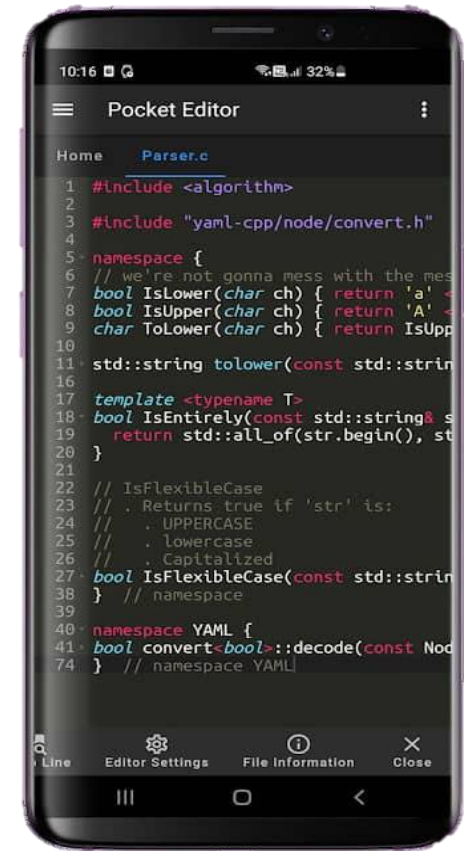


Fig: Programming on Mobile Phone

C# Shell - .NET IDE

Compile and learn **C#** on the go using the Mono CLR under Android [Primary features] - **C#** 11 support - Syntax highlighting - Code completion



Fig: C# Shell - .NET IDE

How to do programming using Computer

✓ IDE

An **IDE (Integrated Development Environment)** is software that combines commonly used developer tools into a compact GUI (graphical user interface) application. It is a combination of tools like a **code editor**, **code compiler**, and **code debugger** with an integrated terminal.

Example: Visual Studio, Visual Studio Code, PyCharm, NetBeans, etc.

✓ Development Framework

A development framework is a set of tools, libraries and conventions that enable developers to create applications more quickly and efficiently. Development frameworks provide structures and templates for organizing application code and files, as well as common features such as database management, user input validation, user session management and security.

Example: .NET, .NET Framework, Flutter, React Native, etc.

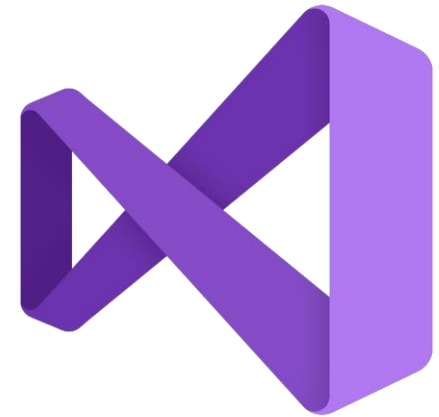
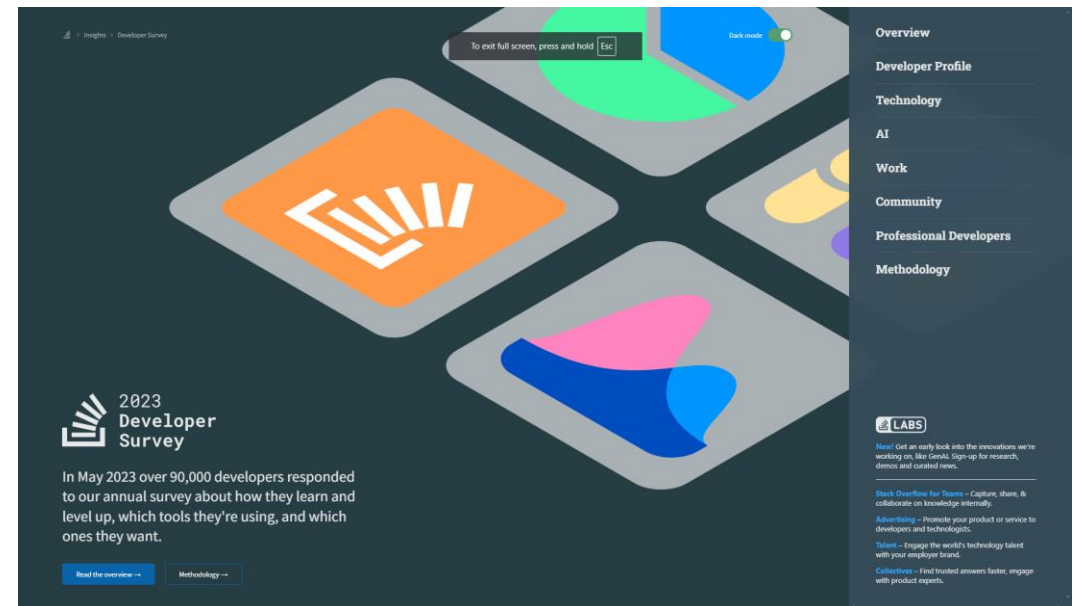


Fig: C# Shell - .NET IDE

Stack Overflow Survey 2023

In May 2023 over 90,000 developers responded to our annual survey about how they learn and level up, which tools they're using, and which ones they want.



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Thank You