

# GDSC - SHA

# C# Programming

SESSION 1

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# Cmd

Command Prompt Cmd, Cli or called Terminal is a text-based interface found in operating systems. It enables users to interact with the computer through command-line commands, offering powerful capabilities for file management, system tasks, and automation. Command Prompt is commonly used by system administrators, developers, and advanced users to perform various operations and access system utilities.

# Cmd Basic Commands

- [ pwd ]
- [ whoami ]
- [ ls ] [ ls -l ] [ ls -a ]
- [ cd ]
- [ mkdir ]
- [ rm ]
- [ rmdir ] [ rm -r ]
- [ touch ]
- [ cls ] [ clear ]
- [ cp ]
- [ cp -r ]
- [ mv ]
- [ cat ] [ less ] [ more ]
- [ . ] [ .. ] [ ~ ] [ \* ]
- [ head ]
- [ tail ]
- [ cat ]
- [ echo ]

# Vesrion Control and Git

Git is a distributed version control system used to track changes in files, primarily in software development. It enables collaboration, history tracking, and easy management of code changes.

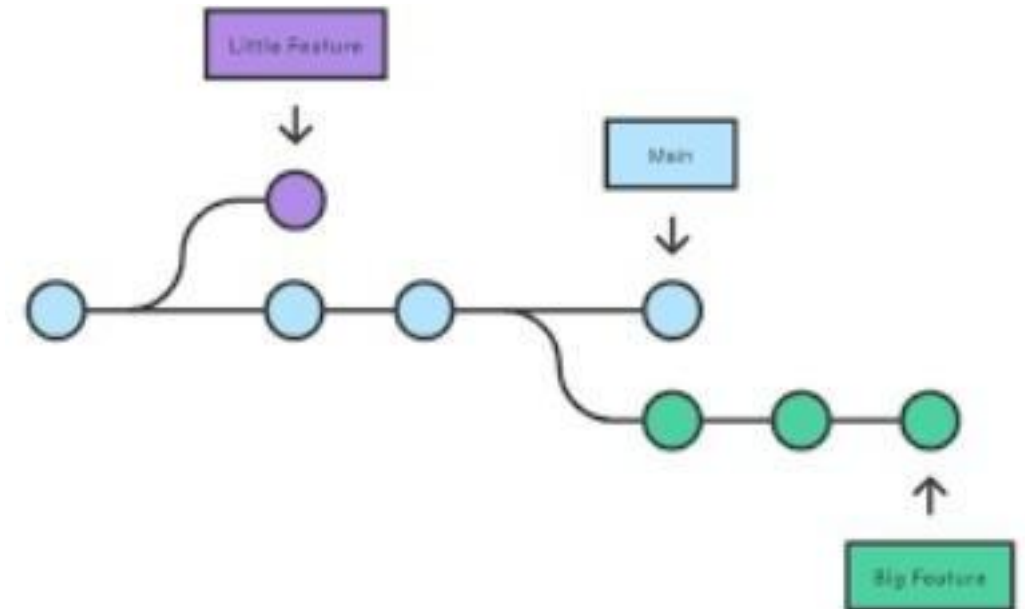
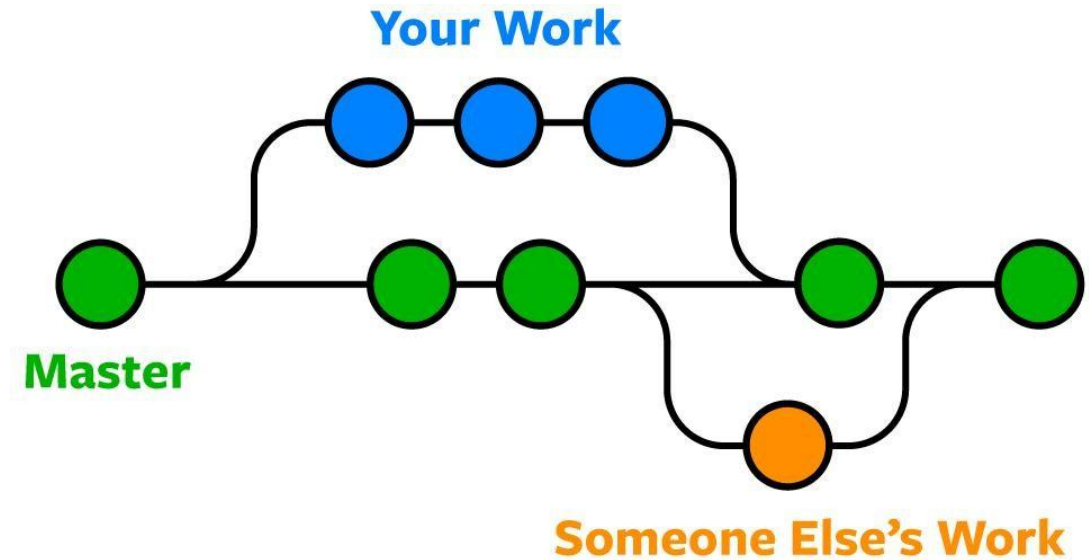


# Git Basic Commands

- [ git ]
- [ git config --global user.name "user\_name"]
- [ git config --global user.email "user\_test@mail.xyz"]
- [ git init "project\_name"]
- [ git status ]
- [ git add ]
- [ git commit -m "commit\_message" ]
- [ git log ]
- [ git push ]
- [ git checkout commit\_hash\_to\_return ]

# Git Branch Commands

- [ git branch ]
- [ git branch branch\_name ]
- [ git checkout branch\_name ]
- [ git merge branch\_name ]



# Connect to Github

- [ git remote -v ]
- [ git remote add origin rebo\_link ]
- [ git push -u origin branch\_name ]
- [ git pull origin \_branch\_name ]



# IDE Versus Text Editor

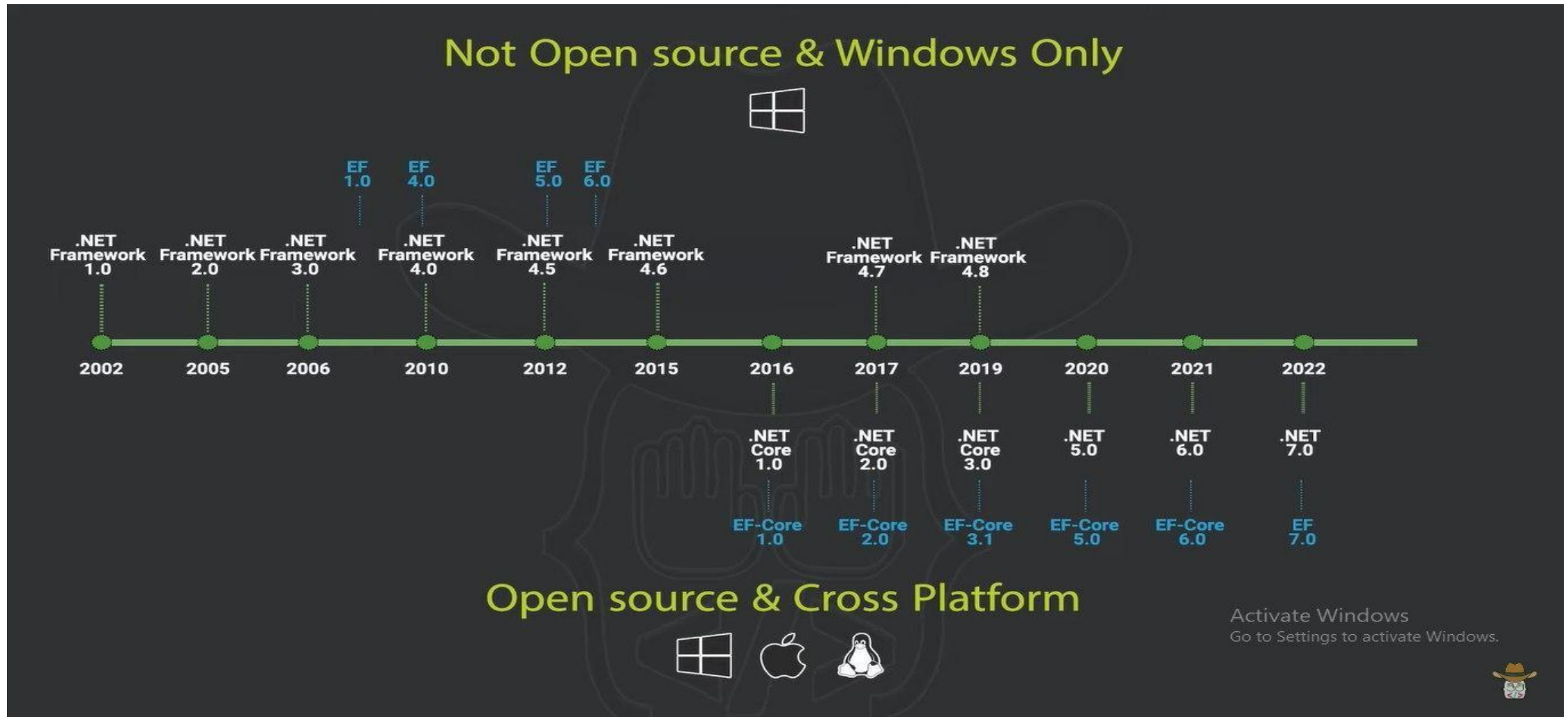


- Visual Studio Code
- Text Editor
- Use Extensions and Packages



- Visual Studio 2022
- Integrated Development Environment
- Use Nuget Packages

# Getting Started With .Net Framework



# Getting Started With C# .Net

- Versatility
- Strong Object-Oriented
- Strongly Typed
- Type Safety
- Safety Features
- Automatic Memory Management
- Microsoft Developing
- Cross-Platform
- Rich Ecosystem
- Database Integration with Ado.Net, EF Core and Linq



# Contact Info.

GDSC C# Training

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```
Console.WriteLine("Thank You!");
```