



## **Tutorials on Integrated Development Environment (IDEs) for C++ Programming Language**

### **Case A. Microsoft Visual Studio C/C++ IDE and Compiler**

#### **Reading Tutorials**

1. <https://visualstudio.microsoft.com/thank-you-downloading-visual-studio/?sku=Community&channel=Release&version=VS2022&source=VSLandingPage&cid=2030&workload=dotnet-dotnetwebcloud&passive=false#dotnet>
2. [Visual Studio 2022 IDE - Programming Tool for Software Developers \(microsoft.com\)](#)
3. [Visual Studio: IDE and Code Editor for Software Developers and Teams \(microsoft.com\)](#)
4. [Install Visual Studio | Microsoft Learn](#)
5. [Overview of Visual Studio | Microsoft Learn](#)
6. [Tour the Visual Studio IDE | Microsoft Learn](#)
7. [Visual Studio IDE documentation | Microsoft Learn](#)
8. [CS585 : Getting Started with Visual Studio Tutorial: Diane H. Theriault \(bu.edu\)](#)
9. <https://cplusplus.com/doc/tutorial/introduction/visualstudio/>
10. [Visual Studio IDE Tutorial.pdf \(sou.edu.ge\)](#)
11. [Visual Studio C/C++ IDE and Compiler for Windows \(microsoft.com\)](#)
12. [C and C++ in Visual Studio | Microsoft Learn](#)

#### **Watching Tutorials**

1. [Welcome to Visual Studio 2022 – by Scott Hanselman and friends - YouTube](#)
2. [C++ Tutorial: Write your First Program using Visual Studio Community 2022 \(for beginners\) - YouTube](#)
3. [C++ Tutorial: Compiling Your First C++ Program using Visual Studio Community \(Hello World\) - YouTube](#)
4. [C++ FOR BEGINNERS \(2020\) - First program “Hello World” using Visual Studio 2019 PROGRAMMING TUTORIAL - YouTube](#)
5. [How to install Visual Studio 2022 on Windows 10 - YouTube](#)
6. [How to Run C++ on Microsoft Visual Studio 2022 | Amit Thinks - YouTube](#)
7. [BEST Visual Studio Setup for C++ Projects! - YouTube](#)
8. [C++ Tutorial for Beginners #1: Visual Studio Code Programming Setup & Use | \(Linux\) - YouTube](#)
9. [Visual C++ Tutorial 1 -Windows Forms Application: Getting Started Hello World Free Install - YouTube](#)
10. [C++ Visual Studio Tutorial For Beginners | C++ Visual Studio Code Tutorial 2021 | Simplilearn - YouTube](#)
11. [Create Your First C++ Windows Form using Microsoft Visual Studio 2022 - YouTube](#)
12. [C/C++ in Visual Studio Code for Beginners - YouTube](#)
13. [How to Set up Visual Studio Code for C and C++ Programming - YouTube](#)
14. [How to Download & Install Visual C++ in Windows 10/11 \(2022 Latest\) - YouTube](#)
15. [How to Run C++ in Visual Studio Code on Windows 10 2022 Best IDE - YouTube](#)
16. [How to Download and Install Visual Studio - YouTube](#)
17. [Getting Started with Visual Studio 2019 - YouTube](#)

18. [Lec 1: How to Install and Set Visual Studio Code and MinGW Compiler for C and C++ | C++ Tutorials - YouTube](#)
19. [How to Run C++ in Visual Studio Code on Windows 10 2022 Best IDE - YouTube](#)

## **Case B. Eclipse IDE for C/C++ Developers**

### **Reading Tutorials**

1. [Eclipse IDE for C/C++ Developers | Eclipse Packages](#)
2. [Eclipse CDT™ \(C/C++ Development Tooling\) \(github.com\)](#)
3. [How to install and use Eclipse CDT for C/C++ programming \(ntu.edu.sg\)](#)
4. [Eclipse For C++: How To Install, Setup And Use Eclipse For C++ \(softwaretestinghelp.com\)](#)
5. [Eclipse vs Visual Studio: Which IDE Suits You? | Incredibuild](#)
6. [How to install Eclipse IDE for Embedded C/C++ Developers | Eclipse Embedded CDT \(C/C++ Development Tools\)™ \(eclipse-embed-cdt.github.io\)](#)
7. [Using Eclipse For C/C++ Programming \(ucla.edu\)](#)
8. [Getting Started with C++ for Eclipse | CodeGuru](#)
9. [Eclipse IDE for C/C++ Developers installation on Ubuntu 22.04 - Linux Tutorials - Learn Linux Configuration](#)
10. [Course Library Installation/Use in Eclipse/C++ Instructions \(uci.edu\)](#)
11. [Setting up EclipseIDE with C/C++ in Ubuntu - LinuxForDevices](#)
12. [Eclipse for C/C++ developers. Set up and use for embedded programming on Linux OS | by George Calin | Medium](#)

### **Watching Tutorials**

1. [How to Setup Eclipse IDE for C/C++ Development EASILY! - 2021 | Very Easy Coding Tutorial - YouTube](#)
2. [How to Install and Setup Eclipse IDE for C/C++ Development on Windows - YouTube](#)
3. [How to Install Eclipse IDE for C/C++ Development Complete Guide On Windows - Best Worked 2021 - YouTube](#)
4. [Create C/C++ Project with Eclipse 2021 - YouTube](#)
5. [2019 C++ Programming Tutorial 1 - Set Up Eclipse, MinGW and CDT - YouTube](#)
6. [\[MAC\] C++ in Eclipse - Setup for Free C++ Demo Code - YouTube](#)
7. [How to Create Your First C++ Program in Eclipse IDE - YouTube](#)
8. [Eclipse IDE for C/C++ Developers - YouTube](#)
9. [How To : Setup Eclipse IDE for C/C++ Development - YouTube](#)
10. [Setting Eclipse CDT for C C++ Development - YouTube](#)
11. [Eclipse IDE for C/C++ Developers - Download, Install, and Run | clauacademy.com - YouTube](#)
12. [\[MAC\] C++ in Eclipse - Installation on macOS \(Catalina\) + First Program - YouTube](#)
13. [Setting Eclipse CDT for C C++ Development on Linux - YouTube](#)
14. [Eclipse IDE for C/C++ Developers installation | Package required explained | aducators.in - YouTube](#)
15. [C++ Hello World Using Eclipse CDT - YouTube](#)
16. [Create a C++ Project in Eclipse - YouTube](#)
17. [Setting Windows 10 for C++ Development with Eclipse - YouTube](#)
18. [C and C++ Programming In Eclipse IDE - YouTube](#)
19. [How to setup Eclipse IDE for C/C++ Development in Ubuntu 22.04 LTS and Create and Run C/C++ Program - YouTube](#)

20. [Install eclipse cdt plugin for C/C++ Program in Eclipse IDE for Ubuntu Linux - YouTube](#)
21. [Eclipse Tutorial : C++ Hello World Programm with Eclipse CDT - YouTube](#)
22. [Installing Eclipse IDE with C/C++ plugin\(or CDT\) in Ubuntu Linux - YouTube](#)
23. [Installing Eclipse \(Kepler\) for Java and C++ \(MinGW & CDT\) under Windows 2013/2014 - YouTube](#)
24. [Eclipse C++ Nothing Printing to Console Fix - YouTube](#)
25. [How to Install C/C++ Development Tool in Eclipse Oxygen 3? | Using MinGW GCC 64 - YouTube](#)
26. [How to Setup Eclipse IDE for C/C++ Development on Ubuntu 20 , 18, 16 and Linux - YouTube](#)
27. [Eclipse C/C++ Development Tools \(CDT\) Demo - YouTube](#)
28. [How to install Eclipse IDE tools on Windows 10 | C++ with PLCnext Technology - YouTube](#)

### **Case C. IntelliJ IDEA CLion**

#### **Reading Tutorials**

1. [CLion: A Cross-Platform IDE for C and C++ by JetBrains](#)
2. [CLion: A Cross-Platform IDE for C and C++ by JetBrains | JetBrains: Developer Tools for Professionals and Teams](#)
3. [Free Educational Licenses - Community Support \(jetbrains.com\)](#)
4. [CLion Plugin Development | IntelliJ Platform Plugin SDK \(jetbrains.com\)](#)
5. [Setup JetBrains CLion for Arduino Development : 5 Steps - Instructables](#)
6. [How to Install JetBrains CLion on Ubuntu \(linuxhint.com\)](#)
7. [CLion — PlatformIO latest documentation](#)
8. [CLion IDE: Downloading, Installing, and Testing \(uci.edu\)](#)

#### **Watching Tutorials**

1. [CLion Quick Tour - YouTube](#)
2. [Introducing CLion - YouTube](#)
3. [Get a Free License for CLion and all JetBrains Products for Students and Teachers - YouTube](#)
4. [How to Setup CLion for C and C++ Development - YouTube](#)
5. [How to install CLion IDE in Ubuntu - YouTube](#)
6. [How to Install and Setup CLion for C/C++ Applications - YouTube](#)
7. [How to Install JetBrains CLion IDE in Windows... Full tutorial HD. - YouTube](#)
8. [How To Download, Install, & Configure Clion IDE for Developing C/C++ - YouTube](#)
9. [How to Install & Setup Clion For C & C++ Development \[2022 Update\] | Activate with free License - YouTube](#)
10. [Download and Install CLION on Windows Machine - YouTube](#)
11. [beginning C++ ~~ Lesson 1 : print Hello world - YouTube](#)
12. [Best IDE for C/C++ Development || CLION set up || Download and Install CLION - YouTube](#)
13. [C & C++ Program Run, Clion Installation, Hello World & How To Change Theme In Clion JetBrains - YouTube](#)
14. [Hello World in IntelliJ IDEA - IntelliJ IDEA Guide \(jetbrains.com\)](#)
15. [Rust Programming - Installing IntelliJ IDE and Hello World program - YouTube](#)