Visual Studio 2022

Open recent

Get started

⬇ **Clone a repository**
Get code from an online repository like GitHub
or Azure DevOps

🗎 **Open a project or solution**
Open a local Visual Studio project or .sln file

📂 **Open a local folder**
Navigate and edit code within any folder

✳ **Create a new project**
Choose a project template with code scaffolding
to get started

Continue without code →

Create a new project

Search for templates (Alt+S) 🔍

Recent project templates

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All languages
All languages
C#
C++
F#
JavaScript
Python
Query Language
TypeScript
Visual Basic

📁 Empty Project   `C++`

C++ for Windows. Provides no starting files.

Console

ws terminal. Prints "Hello World" by default.

Console

CMake Project
Build modern, cross-platform C++ apps that don't depend on .sln or .vcxproj files.

`C++` `Windows` `Linux` `Console`

Windows Desktop Wizard
Create your own Windows app using a wizard.

`C++` `Windows` `Desktop` `Console` `Library`

Windows Desktop Application
A project for an application with a graphical user interface that runs on Windows.

`C++` `Windows` `Desktop`

TypeScript Console Application
A basic TypeScript Console application template which can be run with your local

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All platforms
All platforms
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Azure
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Linux
macOS
tvOS
Windows
Xbox

Empty Project
Start from scratch with C+   rting files.
`C++` `Windows` `C`

Console App
Run code in a Windows te   default.
`C++` `Windows` `C`

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A project for an application with a graphical user interface that runs on Windows.
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Dynamic-Link Library (DLL)
Build a .dll that can be shared between multiple running Windows apps.

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| Office |
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| SQL |
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Empty Project
Start from scratch with C++ for Windows. Provides no startin...
C++   Windows   Console

Console App
Run code in a Windows terminal. Prints "Hello World" by de...
C++   Windows   Console

CMake Project
Build modern, cross-platform C++ apps that don't depend c...
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C++   Windows   Linux   Console

Windows Desktop Wizard
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C++   Windows   Desktop   Console   Library

Shared Items Project
A Shared Items project is used for sharing files between multiple projects.

C++   Windows   Android   iOS   Linux   Desktop   Console
Library   UWP   Games   Mobile

Makefile Project

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Configure your new project

Empty Project `C++` `Windows` `Console`

Project name

Project11

Location

C:\Users\user\source\repos

Solution name ⓘ

Project11

☐ Place solution and project in the same directory

Project will be created in "C:\Users\user\source\repos\Project11\Project11\"

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```cpp
#include <iostream>
using namespace std;
int main()
{
    cout << "Hello World!\n";
    return 0;
}
```

File   Edit   View   Git   Project   Build   Debug   Test   Analyze   Tools   Extensions   Window   Help   🔍 Search ▾   Project11

Debug ▾   x64 ▾   ▶ Local Windows Debugger ▾

bee22.cpp ✦ ×

Project11   (Global Scope) ▾   ⬡ main()

```cpp
1    #include <iostream>
2    using namespace std;
3  ⊟int main()
4    {
5        cout << "Hello World!\n";
6        return 0;
7    }
```

Microsoft Visual Studio Debug Console

Hello World!

C:\Users\user\source\repos\Project11\x64\Debug\Project11.exe (process 8172) exited with code 0.
Press any key to close this window . . .

100 %   ✓ No issues found   Ln: 7   Ch: 2   SPC   CRLF

Output

Show output from: Build ▾

```
Build started...
1>------ Build started: Project: Project11, Configuration: Debug x64 ------
1>bee22.cpp
1>Project11.vcxproj -> C:\Users\user\source\repos\Project11\x64\Debug\Project11.exe
========== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped ==========
========== Build started at 08:58 ᴘ and took 04.658 seconds ==========
```

Solution Explorer   Git Changes

Solution Explorer

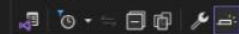Search Solution Explorer (Ctrl+;)

🔧 Solution 'Project11' (1 of 1 project)
  ⬢ Project11
    ▷ ◫ References
    ▷ ◫ External Dependencies
      📁 Header Files
      📁 Resource Files
    ◢ 📁 Source Files
      ▷ ⧉ bee22.cpp