# Installing tools on win11

Dev c++

From:

https://sourceforge.net/projects/orwelldevcpp/



In download folder, open installer, "Dev-Cpp 5.11 TDM-GCC 4.9.2 Setup.exe":



#### Accept conditions..

Choose Components Choose which features of Dev-C++ 5.11 you want to install.								
Check the components you wa install. Click Next to continue.	nt to install and uncheck the components you don't wan	t to						
Select the type of install:	Full	$\sim$						
Or, select the optional components you wish to install:	Dev-C++ program files (required)     ✓ Icon files     ✓ TDM-GCC 4.9.2 compiler     ✓ Language files     ✓ Associate C and C++ files to Dev-C++     ✓ Shortcuts     Description							
Space required: 346.8MB	Position your mouse over a component to see its description							

Default presset Option are fine, Next...

The same for folder, go on.

After a while,



#### Let's try if works:



English and next:

(English is better as you will see the same text / messages / alert as you can find on internet / stack Overflow)

Other dialogs can appear, simply accept (or customise if you know wash to choose).

Normally you will have an icon on desktop to run it.

## **Open and RUN**

When you open, you can see;:



For simpler programs, normally choose "Source File"

You can also choose "Project" if Your program is composed of multiple C file. Now in editor You can write code.

For example:

#include <stdio.h>

```
int main() {
    printf("Hello, World!");
    return 0;
}
```

After writing / pasting, you can use menus or shortcuts:



F10 is the more common.

For newly created files, You have to save before running:

🚟 Save As		×
Save in:	Desktop 🗸 🎯 🎓 🖽 🗸	
Home	ingconti	
Desktop	Desktop	
	Documents	
Libraries	Downloads	
This PC	Music	
Network		

Pls use a meaningful name, and REMEMBER folder, so in Labs is easier for teachers to help You.

If everything is ok, You should see:



## **Code Blocks (Windows)**

https://www.codeblocks.org/downloads/binaries/

codeblocks-20.03-setup-nonadmin.exe

Will open:

https://sourceforge.net/projects/codeblocks/files/Binaries/20.03/Windows/codeblocks-20.03setup-nonadmin.exe/download

In download You should have:



Open file...

## Welcome to CodeBlocks Setup

Setup will guide you through the installation of CodeBlocks.

It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.

Click Next to continue.

Go on.. "Next".. "Agree"

In options, leave all set:



For "Destination Folder", DON'T defaults, except You are an experienced windows user.

NOTE: may appear:



Windows says that the folder does NOT exist or you cannot write onto

## PLS SIMPLY CHOOSE "Documents" under:



After that.. it will install. When it asks to run now, let it go, so let's open program. When open, can appear a warning about missing compiler:

# Environment error

Can't find compiler executable in your configured search path's for GNU GCC Compiler

## Pls check under settings:

0

Help	
vironment	
tor	
mpiler	
	Help vironment itor mpiler

## You can see is missing.

in Confirmation	,		
Could not a Do you war	uto-detect installati It to use this compil	on path of "GNU GCC er's default installatior	Compiler" n directory?
η		Yes	No
compiler:	g++.exe		

## Install MIN GW:

## https://sourceforge.net/projects/mingw/files/latest/download

Run installer:



For subsequent view, accept default and go on, download of packets will start:

in	Step 2: Downloa	ad and Set Up	MinGW Installation 1	Manager
(	Updating catalogue: package	e-list.xml		
	Processed 0	of	1 item	: 0 %
	Details			
	mingw-get: *** INFO *** setu 131004-1-xml.tar.xz	p: unpacking	mingw-get-setup-0.6	.2-mingw32-beta-20

#### After installing:



Here flag to install 1' and it will check automatically mngw-gcc.

In Menus, choose Apply:

Installation	Package	Setting					
Update Catalogue							
Mark A	Mark All Upgrades						
Apply	Changes						

## Another download will start.

Applying Scheduled Changes	
Extracting bin/gdb.exe	anlata
Details	ipiete.
<pre>install: gcc-core-4.8.2-mingw32-dev.tar.meta installing gcc-core-4.8.2-mingw32-dev.tar.meta install: mingw32-gcc-core-deps-6.3.0-1-mingw32-dl installing mingw32-gcc-core-deps-6.3.0-1-mingw32-dl install: libquadmath-6.3.0-1-mingw32-dll-0.tar.xz install: libquadmath-6.3.0-1-mingw32-dll-0.tar install: libgomp-6.3.0-1-mingw32-dll-1.tar.xz installing libgomp-6.3.0-1-mingw32-dll-1.tar.xz install: libsp-6.3.0-1-mingw32-dll-0.tar.xz install: libsp-6.3.0-1-mingw32-dll-0.tar.xz install: libsp-6.3.0-1-mingw32-dll-0.tar.xz install: libsp-6.3.0-1-mingw32-dll-0.tar.xz install: libsp-6.3.0-1-mingw32-dll-0.tar.xz install: libmingwex-5.0.2-mingw32-dll-0.tar.xz install: w32api-5.0.2-mingw32-dev.tar.xz</pre>	l.meta -dll.meta .xz

You should have these setting. Note now You have the version column with values.

Package	Class	Installed Version	
mingw32-base	bin	2013072200	
mingw32-binutils	bin	2.28-1	
mingw32-binutils	dev		
mingw32-binutils	doc		
mingw32-binutils	info		
mingw32-binutils	lang		
mingw32-binutils	man		
mingw32-gcc	bin	6.3.0-1	
mingw32-gcc	dev	4.8.2	
mingw32-gcc	doc		
mingw32-gcc	info		
mingw32-gcc	lang		
mingw32-gcc	lic	6.3.0-1	
mingw32-gcc	man		
mingw32-gcc-ada	bin		
mingw32-gcc-ada	dev		

## Now again codeBlocks

Go under "settings" you will see:

	Globa	l com	piler se	ettings				
Selected compiler			•					
GNU GCC Compile	er							~
	Set as de	fault	Сору	Rename	De	lete	Reset	defaults
Compiler settings	Linker settings	Search d	lirectories	Toolchain execu	tables	Custom	n variables	Buil 1
Compiler's installation directory								
C:\MinGW							Auto-	detect
NOTE: All progr	ams must exist e	either in th	ne "bin" sub	o-directory of this	s path, o	or in any	of the "Ac	lditional

## Click on Autodetect.

You should see:

ncodebl	ocks.exe	×
n i	Auto-detected installation path of "GNL in "C:\MinGW"	l GCC Compiler"
pi		ОК

If NO, you made errors in selecting / installing MinGW.

## Test Run

Under File, New:

<b>-</b> +∪	ntitled	1 - Cod	e::Blocks	20.03						
File	Edit	View	Search	Project	Build	Debug	Fortran	wxSmith	Tools	Т
	New					>	Empty	file		

Copy/Paste a sample "hello world":

```
#include <stdio.h>
int main() {
    printf("Hello, World!");
    return 0;
}
```

Click on build and run (F9) You will do the same in Labs:

Builc	l Debug	Fortran	wxSmith	Tools
ঠ	Build		Ct	trl-F9
	Compile c	urrent file	Ctrl-Shi	ft-F9
	Run		Ctr	I-F10
<b>*</b>	Build and	run		F9

Ide will ask to save your c file, save as preferred, After a While You will have:



So Far so GOOD!