

C programs

How to write, Compile & Run C program.

firstly you must have a Text editor (Vi-notepad, notepad++, vi etc)
we prefer notepad to write our source code over there with filename.c format.

then the second thing we must have a Compiler
for c we GNU GCC (windows compiler)

Mingw → download it & install it from mingw.org download section.

after installation.

check for your gcc compiler in path directory.

[C:\Min gw\bin]

here lies your gcc compiler.

Now open "cmd".

type gcc press enter — firstly it will give error. now "you have to define System environment variable path"

Start > type > system environment variable

↳ from the system environment variable find "path" Tab
edit path Tab & add C:\MinGW\bin directory to your path variable & click OK. Your Environment variable setup have been initiated.

Now Reopen cmd. type gcc press enter now your gcc is installed & Environment variable is being set up.

Now edit your Source code

Save with filename.c format

Open "cmd"

change directory to where you saved your program.

vid command
like

[cd c:\MinGW\bin]

as i save my program
in this directory.

now type

gcc filename.c -o filename

How to change directory

Step 1

c:\

Now we want to goto H.

just type H: press enter.

Step 2

H:

Step 3 [H:]

Step 1

```
#include <stdio.h>
#include <conio.h>
void main()
{
    printf("Hello World");
    getch();
}
```

Step 2 Save it - sample1.c

Step 3 cmd

c:\MinGW\bin> gcc sample1.c -o sample1

Step 4

cmd
sample1.exe
-HelloWorld!

(change the directory wherever you save your program.)

MinGW - Minimalist GNU for Windows

Description ▾ Downloads ▾ Source Code ▾ Ticket ▾

Download of MinGW Installation Manager (mingw-get) MinGW
shortly. If not so, click mingw-get-setup.exe.

File Information

File Size	93,184 bytes
MD5	60737d3ea...
SHA1	997a8f713...
SHA256	a5de8c706...
Virus Check	Uploaded 1 day ago

Where do you want to go next?

[Go to the Web page of MinGW - Minimalist GNU for Windows](#)

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MinGW is a native windows port of the GNU Compiler Collection (GCC), with freely distributable import

MinGW Installation Manager Setup Tool

mingw-get version 0.6.3-pre-20170905-1



Written by Keith Marshall
Copyright © 2009-2013, MinGW.org Project
<http://mingw.org>

This is free software; see the product documentation or source code, for copying and redistribution conditions. There is NO WARRANTY; not even an implied WARRANTY OF MERCHANTABILITY, nor of FITNESS FOR ANY PARTICULAR PURPOSE.

This tool will guide you through the first time setup of the MinGW Installation Manager software (mingw-get) on your computer; additionally, it will offer you the opportunity to install some other common components of the MinGW software distribution.

After first time setup has been completed, you should invoke the MinGW Installation Manager directly, (either the CLI mingw-get.exe variant, or its GUI counterpart, according to your preference), when you wish to add or to remove components, or to upgrade your MinGW software installation.

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Latest packages originating from the MINGW.ODSN PROJECT, formerly domain is no longer associated with this project).

Average
4.0



84 bytes) will begin

Mirror server info



Hsinchu, Taiwan (Asia)



Step 1: Specify Installation Preferences

Installation Directory

C:\MinGW

Change

If you elect to change this, you are advised to avoid any choice of directory which includes white space within the absolute representation of its path name.

User Interface Options

Both command line and graphical options are available. The command line interface is always supported; the alternative only if you choose the following option to ...

... also install support for the graphical user interface.

Program shortcuts for launching the graphical user interface should be installed ...

... just for me (the current user), or for all users * ...

... in the start menu, and/or on the desktop.

* selection of this option requires administrative privilege.

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mingw-get version 0.6.3-pre-20170905-1



Step 2: Download and Set Up MinGW Installation Manager

Download Progress

Updating catalogue: mingw32-gcc4.xml

Processed 10 of 38 items : 26 %



Details

```
mingw-get: *** INFO *** setup: unpacking mingw-get-setup-0.6.3-mingw32-pre-20170905-1-xml.tar.xz
mingw-get: *** INFO *** setup: updating installation database
mingw-get: *** INFO *** setup: register mingw-get-0.6.3-mingw32-pre-20170905-1-bin.tar.xz
mingw-get: *** INFO *** setup: register mingw-get-0.6.3-mingw32-pre-20170905-1-gui.tar.xz
mingw-get: *** INFO *** setup: register mingw-get-0.6.3-mingw32-pre-20170905-1-lic.tar.xz
mingw-get: *** INFO *** setup: installation database updated
```

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Basic Setup

All Packages

Package

Installed Version

Repository Version

Description

mingw-developer-toolkit-bin

2013072300

An MSYS Installation for MinGW Developers (meta)

072200

A Basic MinGW Installation

-2

The GNU Ada Compiler

-2

The GNU FORTRAN Compiler

-2

The GNU C++ Compiler

-2

The GNU Objective-C Compiler

072300

A Basic MSYS Installation (meta)

Download Package

Connecting to osdn.net ... |

167.01 kB

of

167.01 kB

: 100 %

[General](#) [Description](#) [Dependencies](#) [Installed Files](#) [Versions](#)

This package provides the MinGW implementation of the GNU C++ language compiler.

This is an optional component of the MinGW Compiler Suite; you require it only if you wish to compile programs written in the C++ language.

MinGW Installation Manager

Installation Package Settings Help

Basic Setup All Packages

Package	Installed Version	Repository Version	Description
mingw-developer-toolkit-bin		2013072300	An MSYS Installation for MinGW Developers (meta)
mingw32-base-bin		2013072200	A Basic MinGW Installation
mingw32-gcc-ada-bin		9.2.0-2	The GNU Ada Compiler
mingw32-gcc-fortran-bin		9.2.0-2	The GNU FORTRAN Compiler
mingw32-gcc-g++-bin		9.2.0-2	The GNU C++ Compiler
mingw32-gcc-objc-bin		9.2.0-2	The GNU Objective-C Compiler
msys-base-bin		2013072300	A Basic MSYS Installation (meta)

General Description Dependencies Installed Files Versions

This package provides the MinGW implementation of the GNU C++ language compiler.

This is an optional component of the MinGW Compiler Suite; you require it only if you wish to compile programs written in the C++ language.

Download Package

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152.81 kB of 152.81 kB : 100 %

Name	Date modified	Type	Size
addr2line	10-02-2019 20:54	Application	921 KB
ar	10-02-2019 20:54	Application	946 KB
as	10-02-2019 20:54	Application	1,598 KB
c++	10-07-2020 23:05	Application	2,151 KB
c++filt	10-02-2019 20:54	Application	918 KB
cpp	10-07-2020 23:06	Application	2,149 KB
dlltool	10-02-2019 20:54	Application	976 KB
dllwrap	10-02-2019 20:54	Application	115 KB
elfedit	10-02-2019 20:54	Application	102 KB
g++	10-07-2020 23:05	Application	2,151 KB
gcc	10-07-2020 23:06	Application	2,148 KB
gcc-ar	10-07-2020 23:06	Application	79 KB
gcc-nm	10-07-2020 23:06	Application	79 KB
gcc-ranlib	10-07-2020 23:06	Application	79 KB
gcov	10-07-2020 23:06	Application	1,822 KB
gcov-dump	10-07-2020 23:06	Application	1,610 KB
gcov-tool	10-07-2020 23:06	Application	1,645 KB
gprof	10-02-2019 20:54	Application	986 KB
ld.bfd	10-02-2019 20:54	Application	1,251 KB
ld	10-02-2019 20:54	Application	1,251 KB

Date created: 24-08-2022 12:47
Size: 2.09 MB



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Command Prompt

C:\Users>cd ..

C:\>gcc

'gcc' is not recognized as an internal or external command,
operable program or batch file.

C:\>gcc

'gcc' is not recognized as an internal or external command,
operable program or batch file.

C:\>_

File

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Command Prompt

```
\Users>cd ..
```

```
\>gcc  
'gcc' is not recognized as an internal or external command,  
operable program or batch file.
```

```
\>gcc  
'gcc' is not recognized as an internal or external command,  
operable program or batch file.
```

```
\>path variable setup enviornment variable setup
```

All

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Edit the system environment
variables

Control panel

Settings

Edit environment variables for your
account >

Search the web

env - See web results >

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3. PHP Development Environment (2) >

3. PHP Development Environment -
in Telegram Desktop >

3. PHP Development Environment -
in web_development_php >

Videos

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Edit

Open

Variable	Value
OneDrive	C:\Users\HP\OneDrive
OneDriveConsumer	C:\Users\HP\OneDrive
Path	C:\Users\HP\AppData\Local\Micros
TEMP	C:\Users\HP\AppData\Local\Temp
TMP	C:\Users\HP\AppData\Local\Temp

New...

System variables

Variable	Value
ComSpec	C:\WINDOWS\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\Drive
NUMBER_OF_PROCESSORS	4
OnlineServices	Online Services
OS	Windows_NT
Path	C:\Program Files (x86)\Common File
PATHEXT	.COM:.EXE:.BAT:.CMD:.VBS:.VBE:.JS:.

New...

Edit environment variable

C:\Program Files (x86)\Common Files\Oracle\Java\javapath
C:\Program Files (x86)\Intel\iCLS Client\
C:\Program Files\Intel\iCLS Client\
%SystemRoot%\system32
%SystemRoot%
%SystemRoot%\System32\Wbem
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\
C:\Program Files (x86)\Intel\Intel(R) Management Engine Component...
C:\Program Files\Intel\Intel(R) Management Engine Components\DAL
C:\Program Files (x86)\Intel\Intel(R) Management Engine Component...
C:\Program Files\Intel\Intel(R) Management Engine Components\IPT
c:\Program Files\Intel\WiFi\bin\
c:\Program Files\Common Files\Intel\WirelessCommon\
%SYSTEMROOT%\System32\OpenSSH\
C:\Program Files\dotnet\
C:\MinGW\bin

New
Edit
Browse...
Delete
Move Up
Move Down
Edit text...

OK
Cancel

04 Command Prompt

Microsoft Windows [Version 10.0.19044.1766]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>gcc
gcc: fatal error: no input files
compilation terminated.

C:\Users\HP>

Command Prompt

Microsoft Windows [Version 10.0.19044.1766]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>gcc
gcc: fatal error: no input files
compilation terminated.

C:\Users\HP>_