



Code::Blocks

install code Blocks

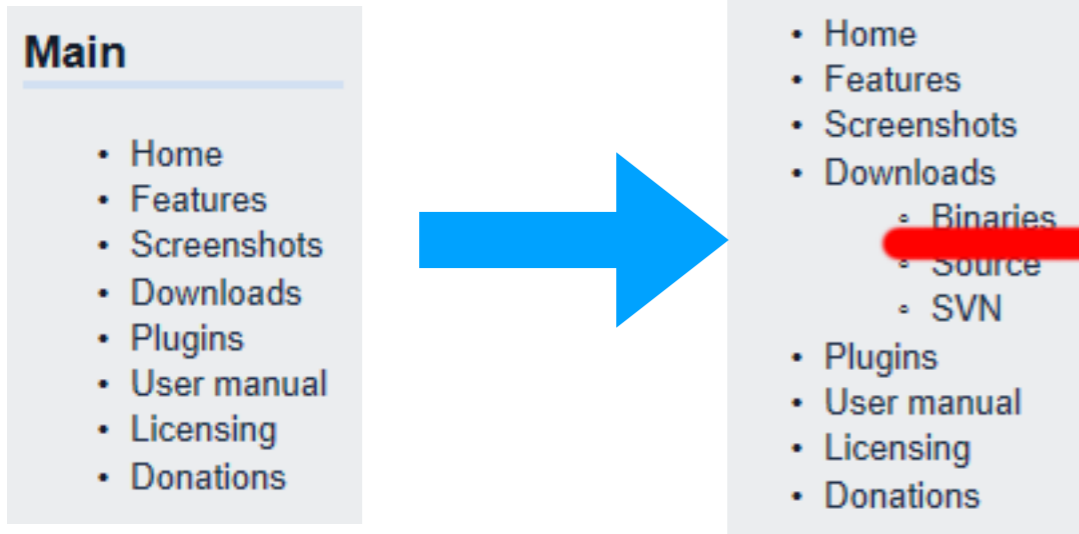
windows 10/OSX
A.A. 2019/20



POLITECNICO
MILANO 1863

sito: www.codeblocks.org/

Sezione Download:



Sezione Download

selezionare la piattaforma:



(la parte OSX in coda)



download Windows

Selezionare codeblocks-17.12-mingwsetup.exe



Windows XP / Vista / 7 / 8.x / 10:

File

codeblocks-17.12-setup.exe

codeblocks-17.12-setup-nonadmin.exe

codeblocks-17.12-nosetup.zip

codeblocks-17.12mingw-setup.exe

Cliccare su SourceForge:

codeblocks-17.12mingw-setup.exe


30 Dec 2017

FossHUB or [Sourceforge.net](#)



download Windows

appare:



Code::Blocks

A free C, C++ and Fortran IDE
Brought to you by: [killerbot](#), [mandrav](#), [mortenmacfly](#), [thomas-denk](#)

Your download will start shortly... 0

.. privacy..
(accept)

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By choosing I Accept below you are also helping to support our site and improve your browsing experience.

I DO NOT ACCEPT

I ACCEPT

Salvare:

What do you want to do with codeblocks-17.12mingw-nosetup.zip (91.2 MB)?

From: netix.dl.sourceforge.net

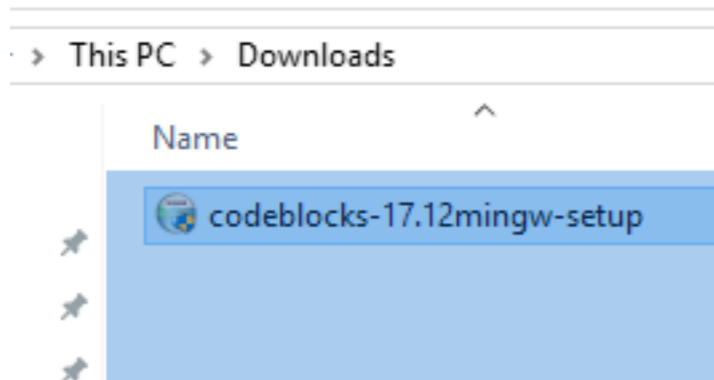
Save



install on Windows

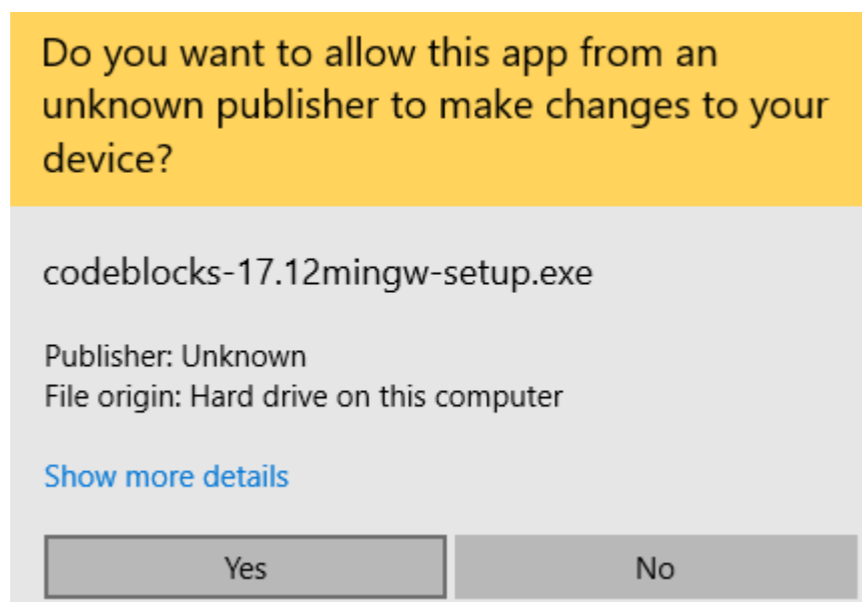
Open folder...

troverete:

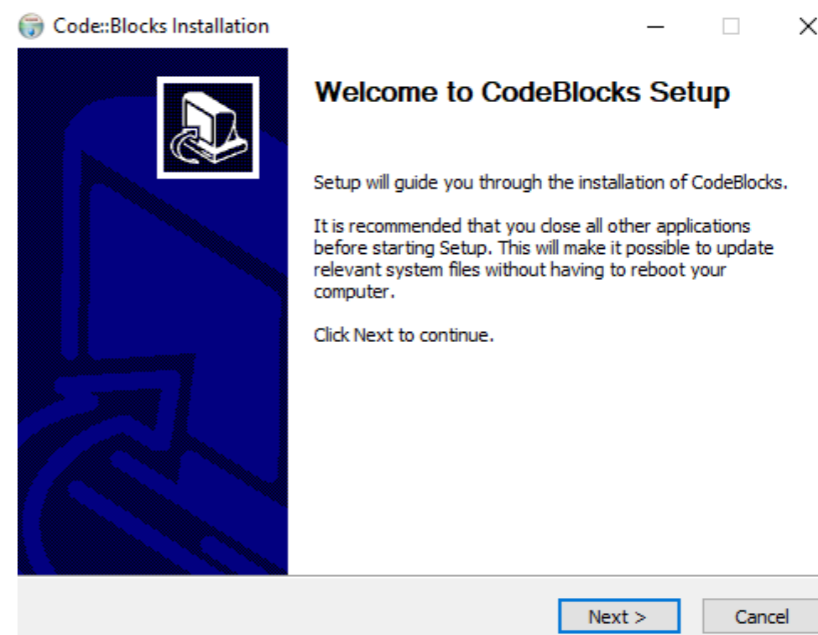


doppio click..

Yes..



next...



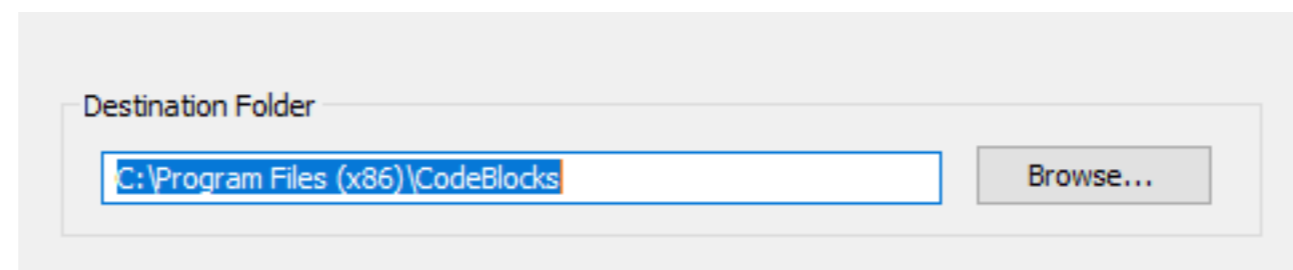
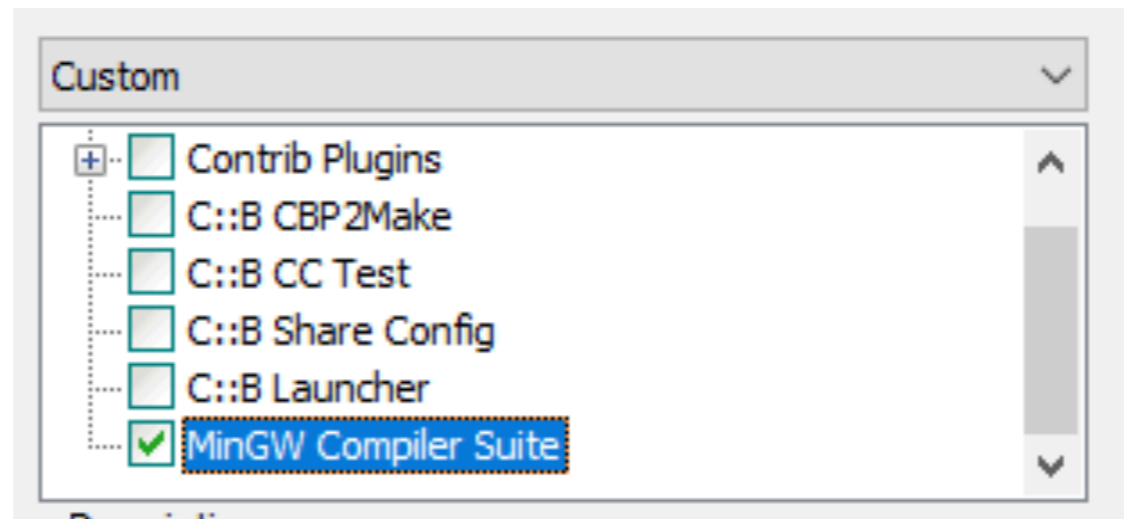
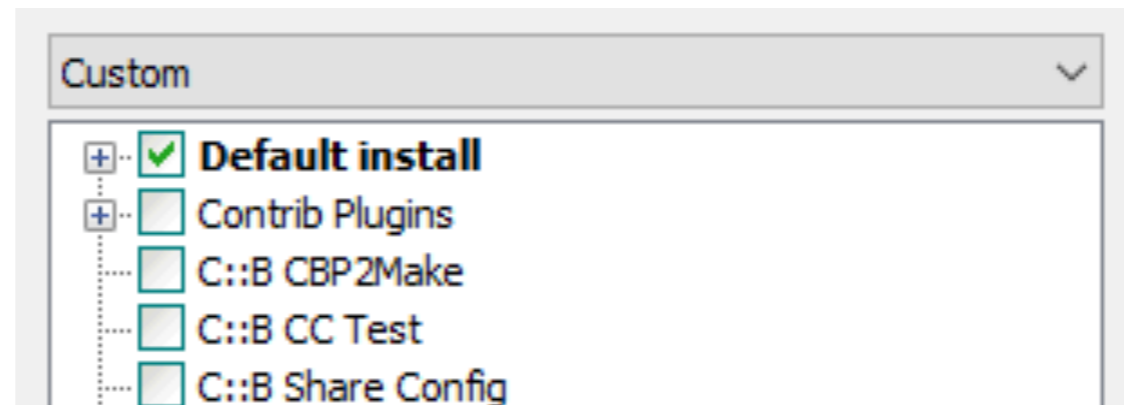


install on Windows

ATTENZIONE alle OPZIONI!

1' e ultima:

(altre inutili x noi..)

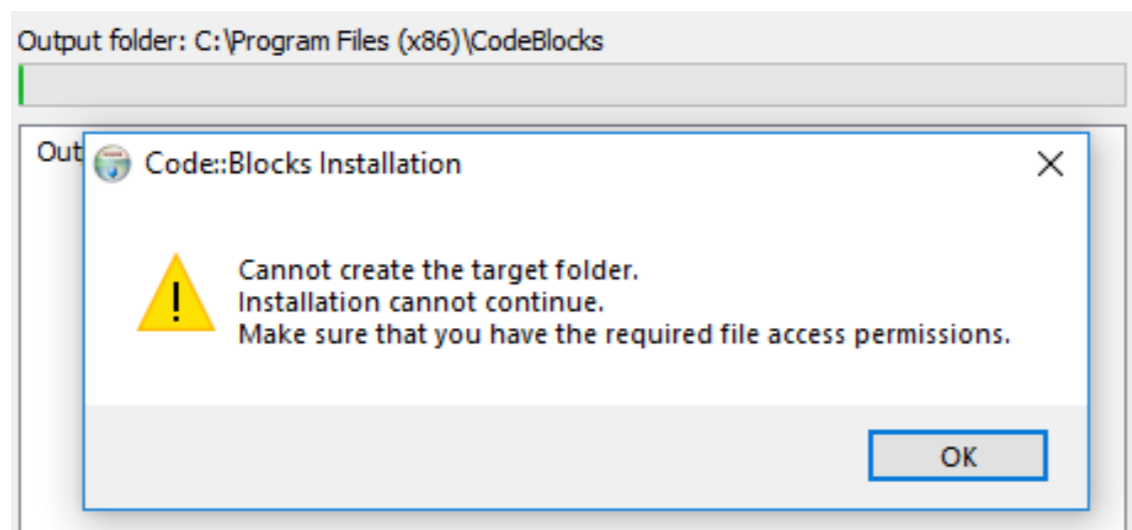


destinazione: (puo' variare se windows a 32 bit..)



install on Windows

Se accettate il valore proposto puo' dare errore.. (privilegi)



dare OK e Cancel.

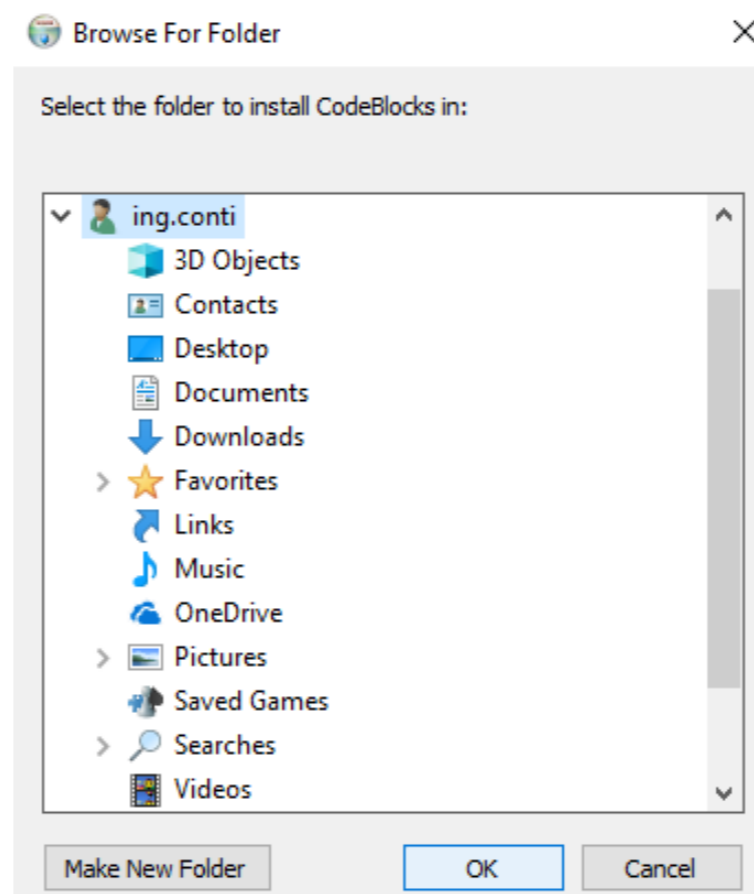
Nota: sarebbe preferibile avere accesso alla cartella dei programmi, ma richiede setup adeguato/modifica privilegi.



install on Windows

SOLO se da Errore

Cliccare su Browse..
e scegliere la vs. cartella:



apparira:

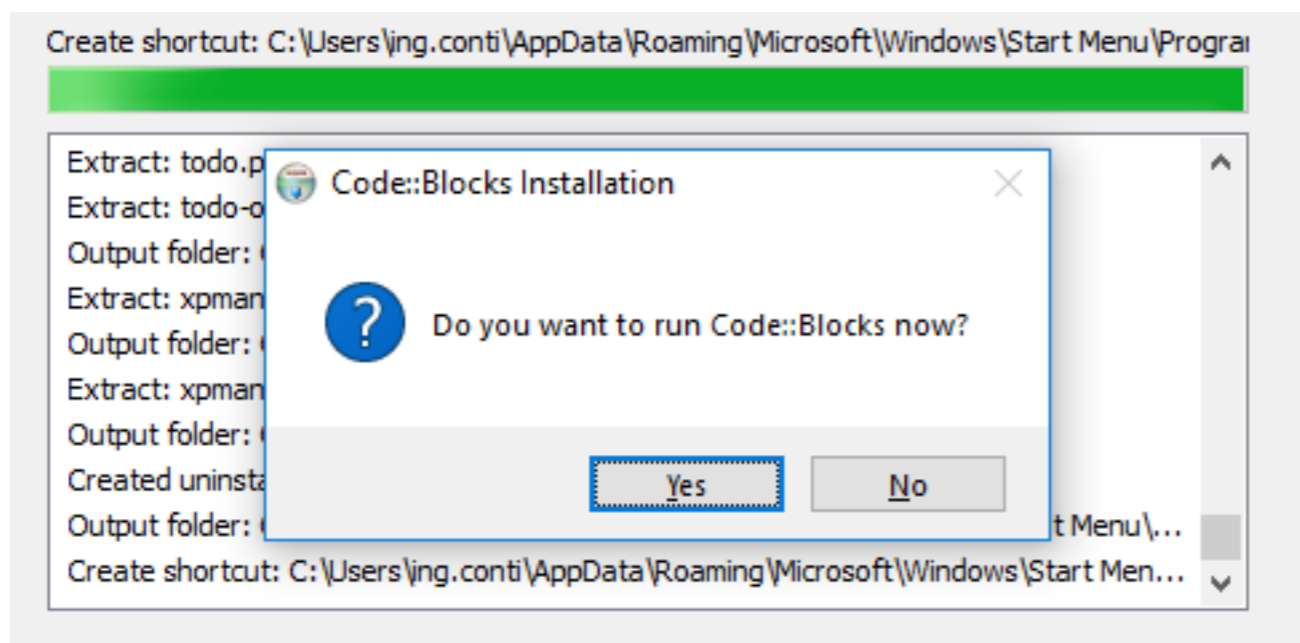




install on Windows

cliccare su **Install ..**

parte setup..alla fine appare:

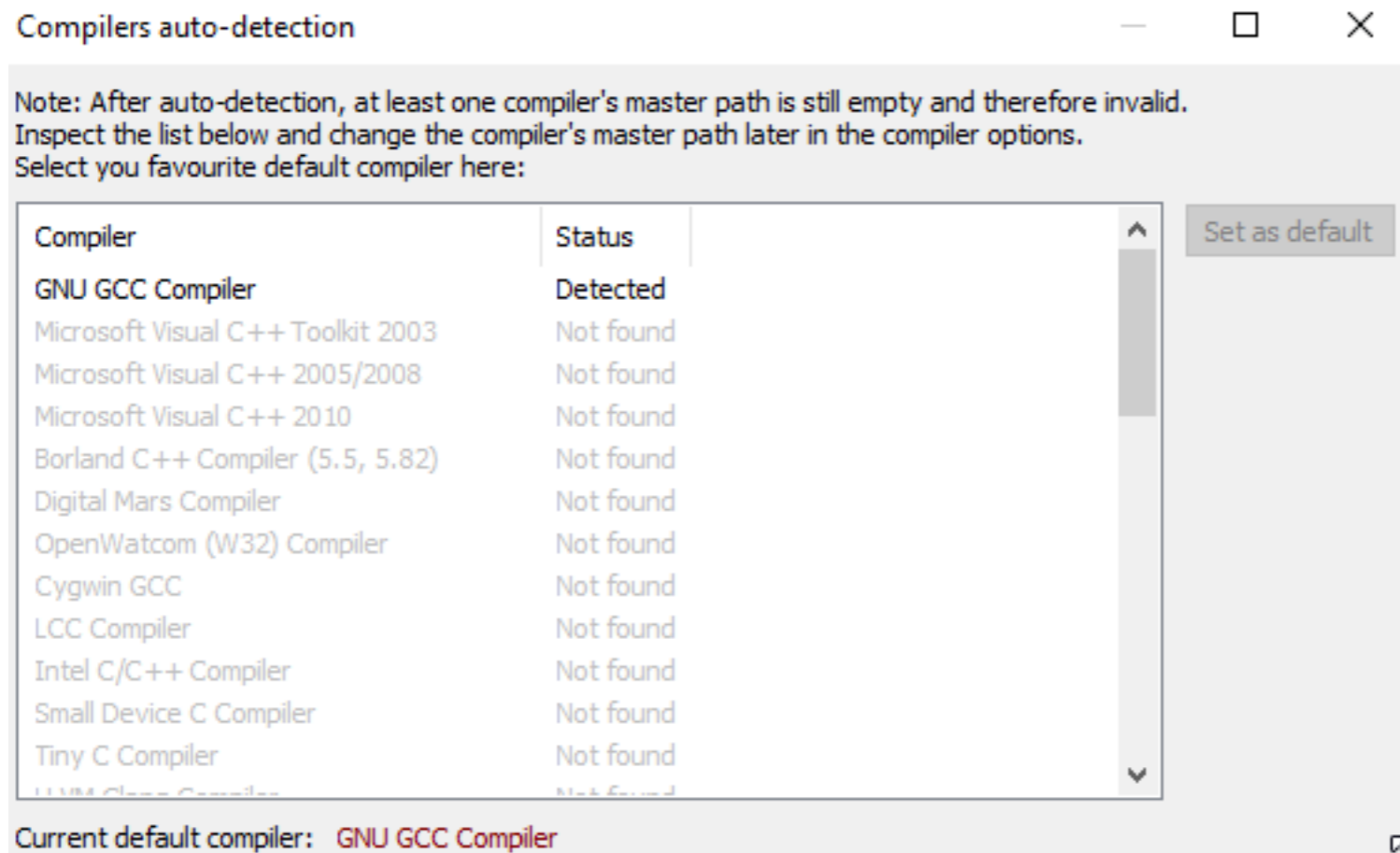


provare con YES



install on Windows

Dovreste avere:



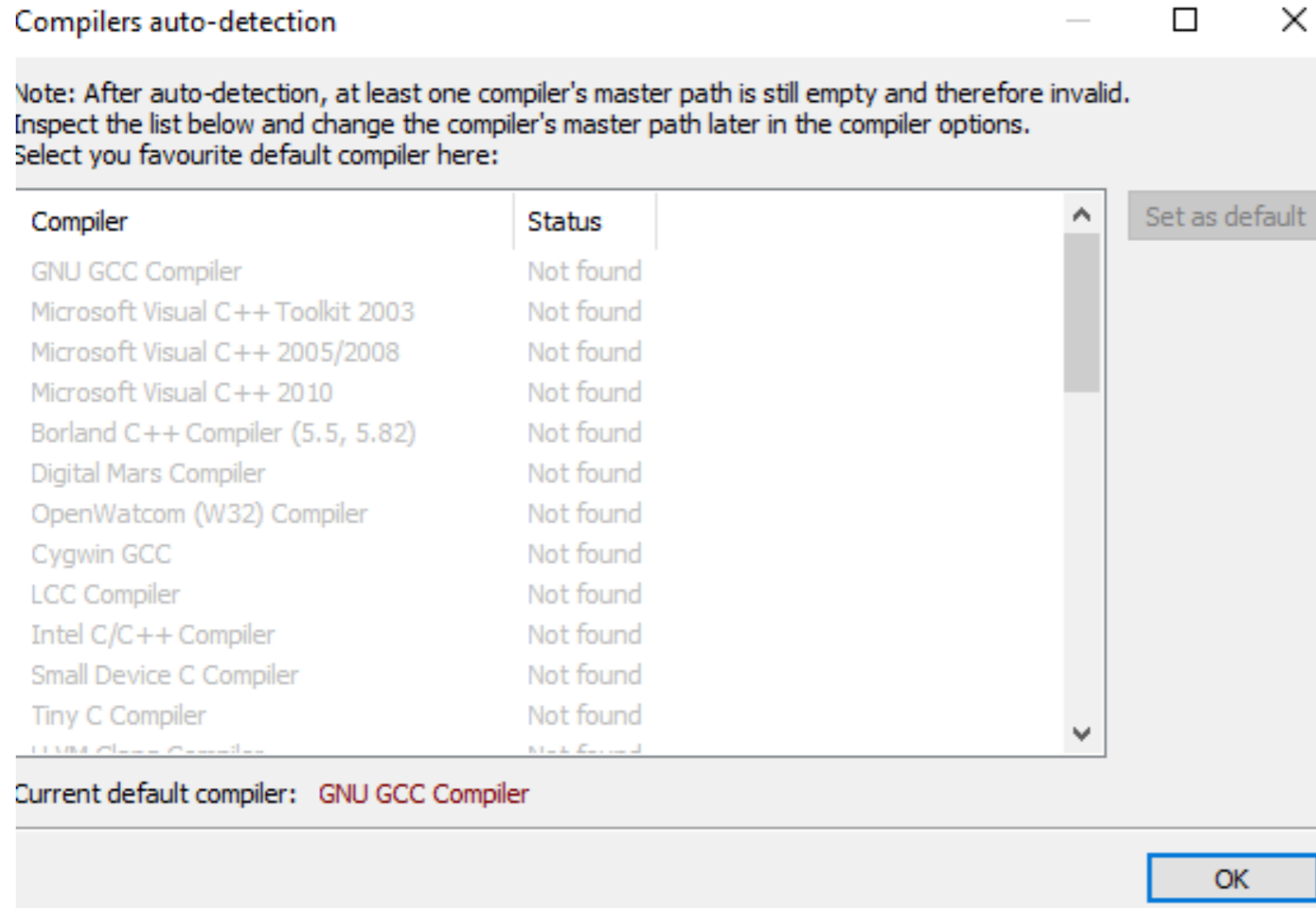
almeno uno deve essere “detected”

se no..



install on Windows

Se NON vi appare ALCUN compilatore....

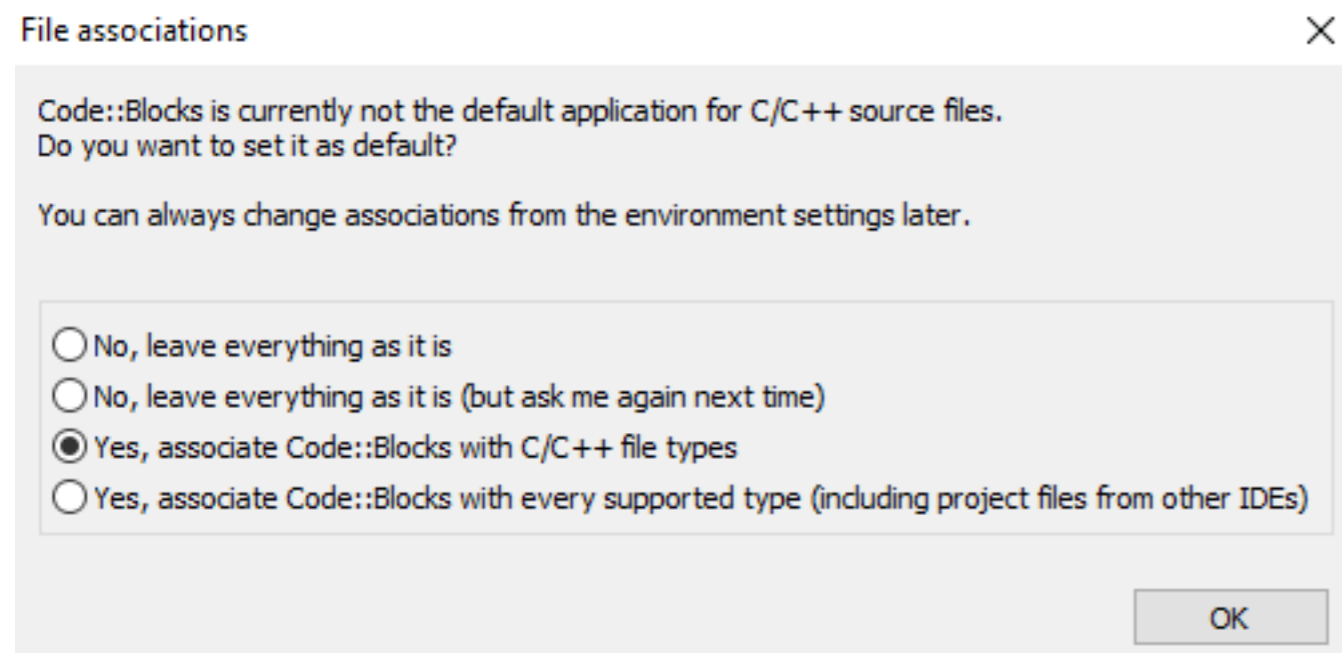


AVETE SBAGLIATO INSTALLER!! (tornare ai download..)



install on Windows

3' opzione (preferibile ma non mandatory)



Dare OK

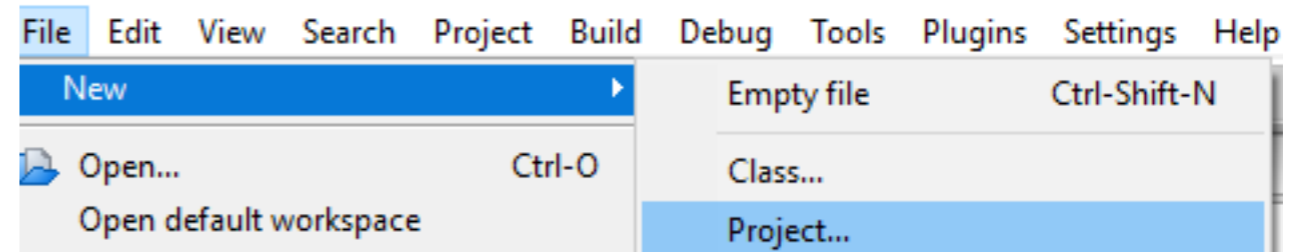
(se re-installate NON lo chidera' di nuovo)

Test install on Windows

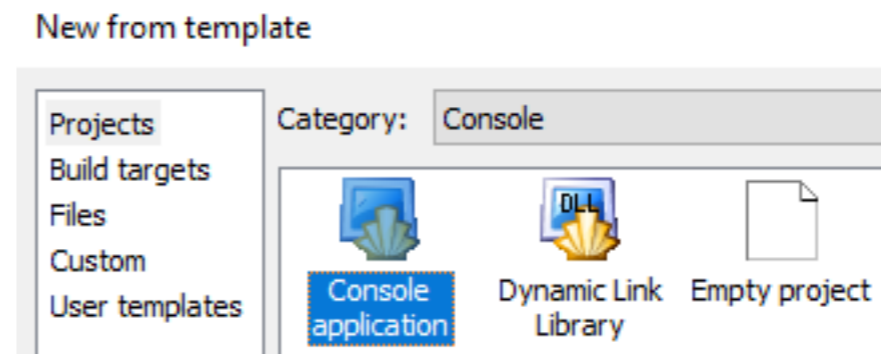


progetto di Test:

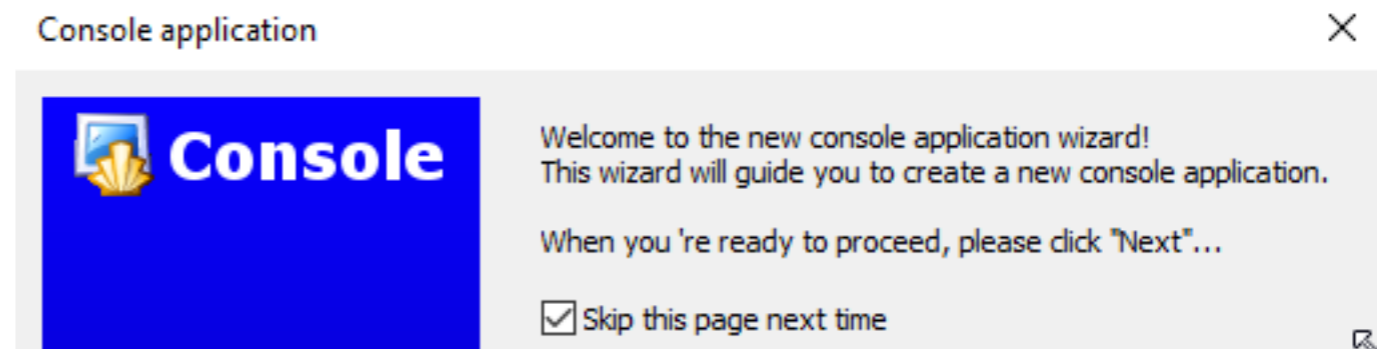
(non sapete ancora il C... usiamo uno progetto dal wizard...)



scegliere console dal menu superiore e la icona:



chiudiamo la opzione x sempre..

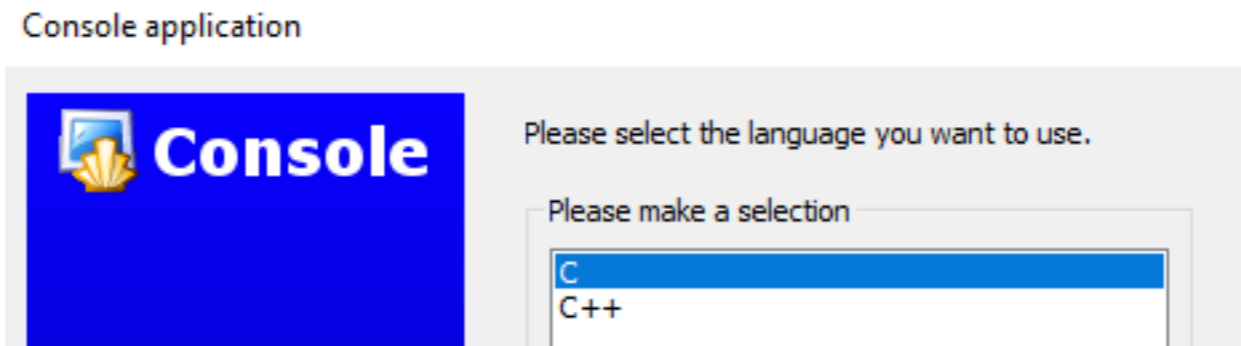


next...

Test install on Windows

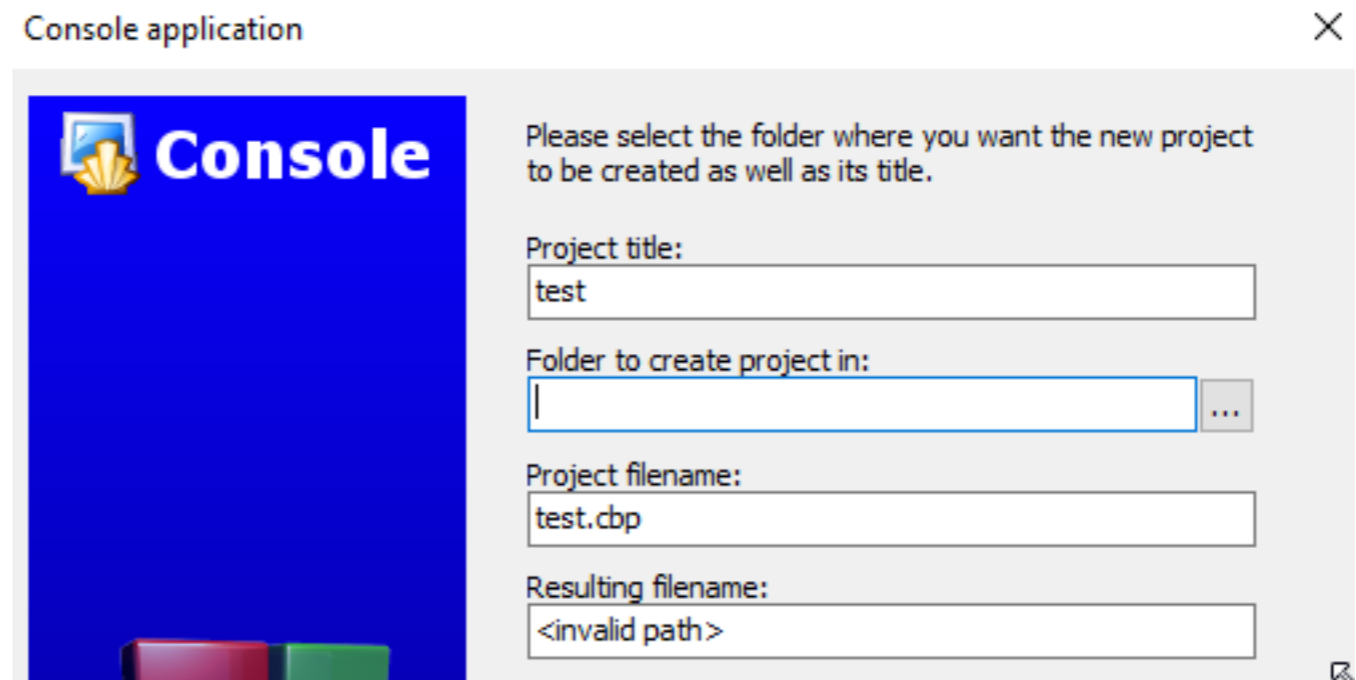


selezionare C:



chiedera' dei settings:

- titolo: **test**
- Folder to create.. click su button e scegliere pes. la vs cartella Documents o la scrivania
- (gli altri campi si popolano quando avete scelto i primi...)



Click e scegliete cartella...

Test install on Windows



Apparirà:

Project title:
test

Folder to create project in:
C:\Users\jng.conti\Documents

Project filename:
test.cbp

Resulting filename:
C:\Users\jng.conti\Documents\test\test.cbp

Dare OK..

Apparirà:

Please select the compiler to use and which configurations you want enabled in your project.

Compiler:
GNU GCC Compiler

Create "Debug" configuration: Debug

"Debug" options
Output dir.: bin\Debug
Objects output dir.: obj\Debug

Create "Release" configuration: Release

"Release" options
Output dir.: bin\Release
Objects output dir.: obj\Release

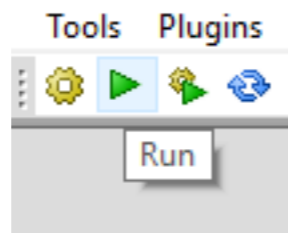
< Back Finish Cancel

Click su fine.

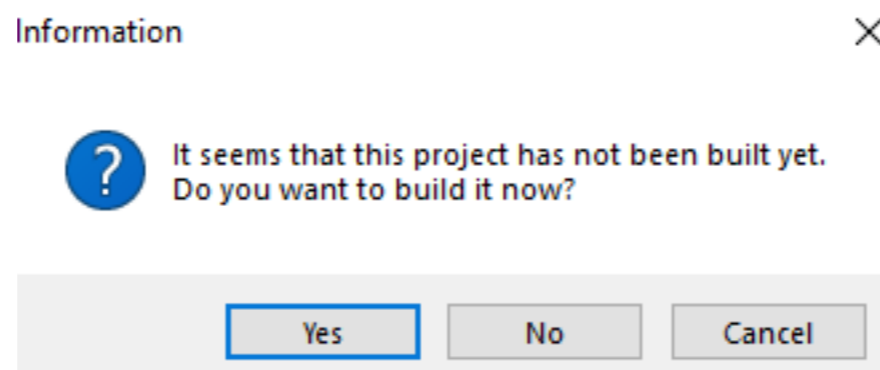


Test install on Windows

Selezionate RUN:



Vi apparirà (non essendoci ancora eseguibile)



Date YES.

sotto vedrete...

```
----- Run: Debug in test (compiler: GNU GCC Compiler)-----
```

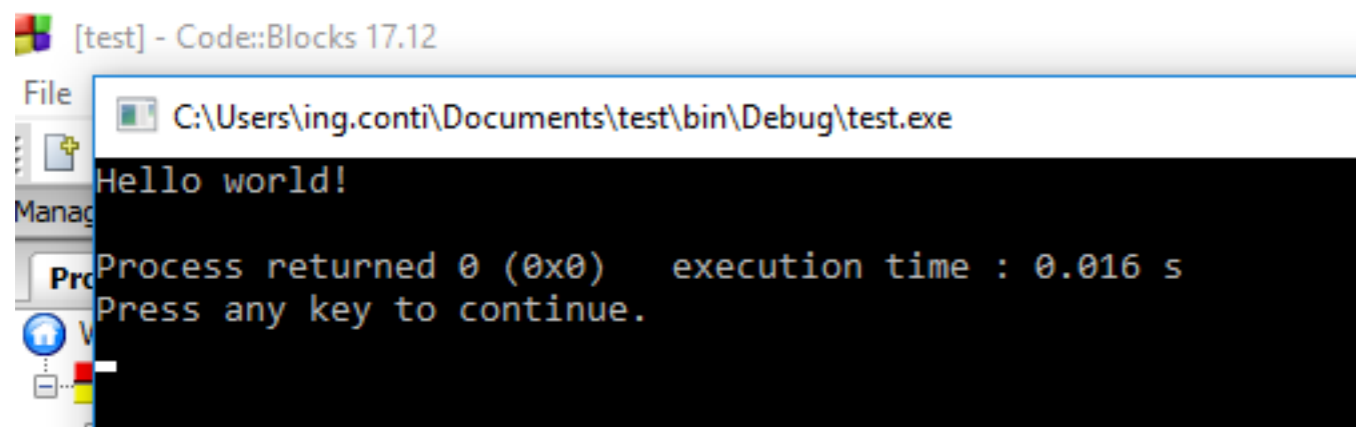
```
Checking for existence: C:\Users\ing.conti\Documents\test\bin\Debug\test.exe
```

```
Executing: "C:\Program Files (x86)\CodeBlocks\cb_console_runner.exe" "C:\Users\ing.conti\Documents\test\bin\Debug\test.exe" (in C:\Users\ing.conti\Documents\test\.)
```



Test install on Windows

Apparira la usuale console a caratteri nera:



```
[test] - Code::Blocks 17.12
C:\Users\ing.conti\Documents\test\bin\Debug\test.exe
Hello world!
Process returned 0 (0x0)   execution time : 0.016 s
Press any key to continue.
```

NOTA: NON chiudetela con la "X" delle finestre di windows: SI BLOCCA TUTTO.

preme un tasto..

(Press any key..)



FIX install on Windows

Se al Build/run avete...

```
Project/Target: "test - Debug":
```

```
The compiler's setup (GNU GCC Compiler) is invalid, so Code::Blocks cannot find/run the compiler.
```

```
Probably the toolchain path within the compiler options is not setup correctly?!
```

```
Do you have a compiler installed?
```

```
Goto "Settings->Compiler...->Global compiler settings->GNU GCC Compiler->Toolchain executables" and fix the compiler's setup.
```

```
Tried to run compiler executable 'C:\MinGW/bin/mingw32-gcc.exe', but failed!
```

Dara' errore perche non trova i setting x il compilatore.

Attenzione: se nn avete scaricato installer corretto, questa procedura comunque **NON** funziona.

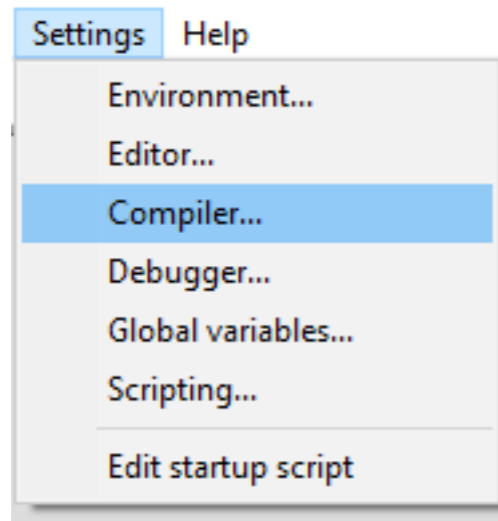
Funziona solo nei casi:

- avete scaricato in compilatore a parte
- state usando un altro compilatore -pre installato (p.s Clang o Visual studio)
- avete corrotto i setting

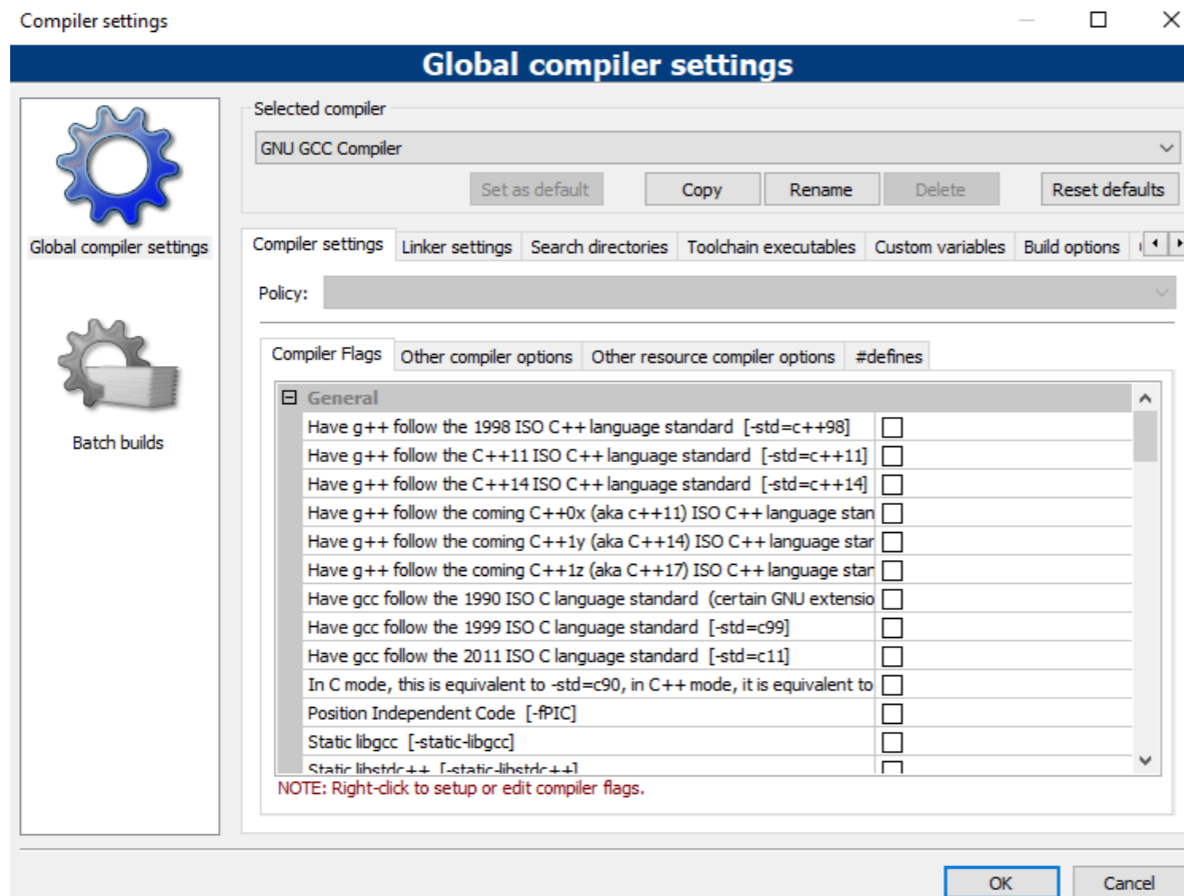


FIX install on Windows

Let's fix:



Appare:

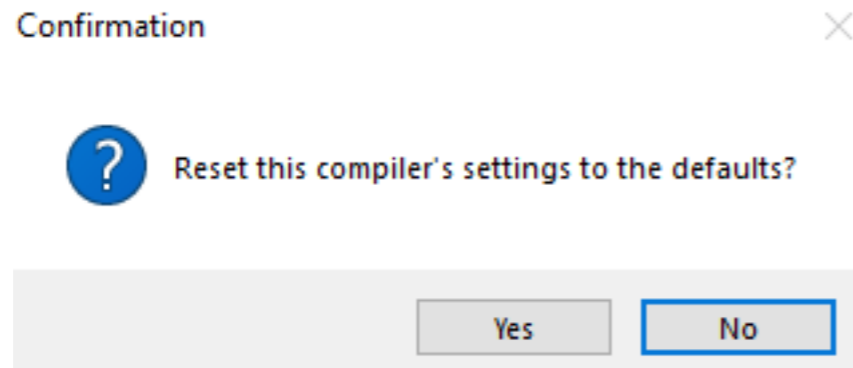


cliccare su **Reset Default**



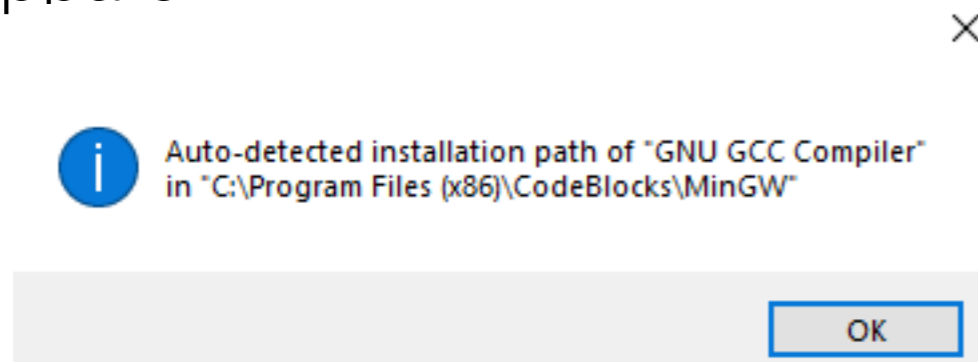
FIX install on Windows

appare:



dare YES

Se appare:



con un percorso legale, avete fixato...

download OSX



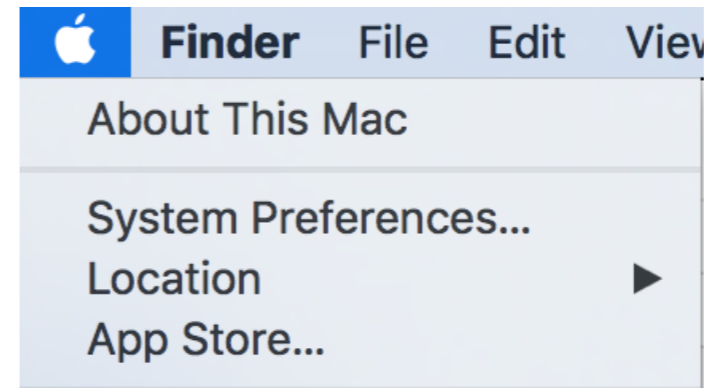
Premessa:

Codeblock Richiede COMUNQUE Xcode di Apple,

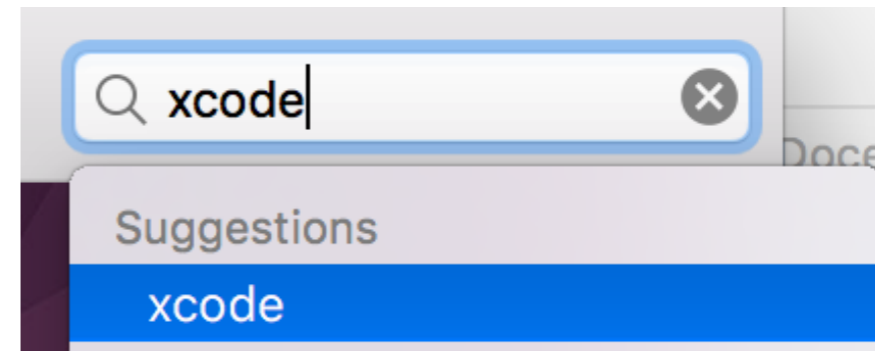
Quindi puo' essere una opzione utilizzare direttamente Xcode.

Prerequisiti: Xcode

andare su AppStore



e scaricare Xcode



Search Results for "xcode"



Xcode

Developer Tools

★★★★☆ 23 Ratings

Essentials

INSTALL ▼

download OSX



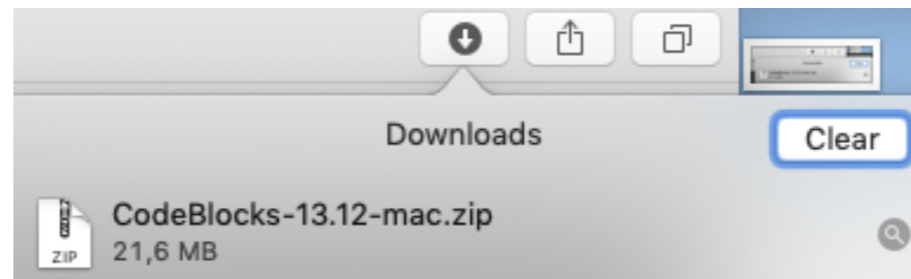
sito code blocks: <http://www.codeblocks.org/downloads/binaries>

Sezione Download.. in fondo:

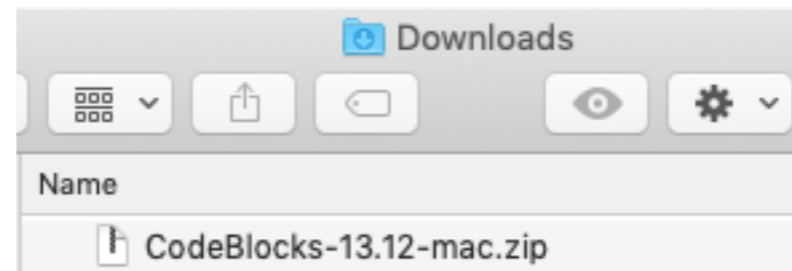
File	Date
CodeBlocks-13.12-mac.zip	26 Dec 2013

- click x scaricare zip

- da Safari Apparira:



-click sulla lente x trovare zip

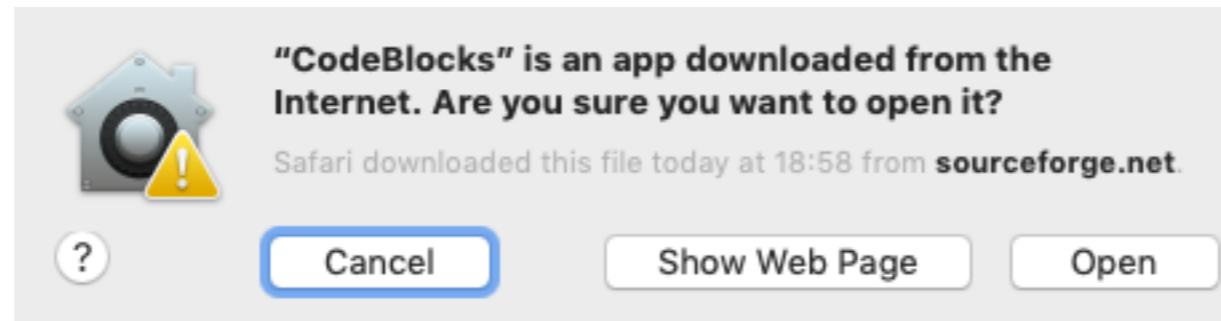


- doppio click x espanderlo

download OSX



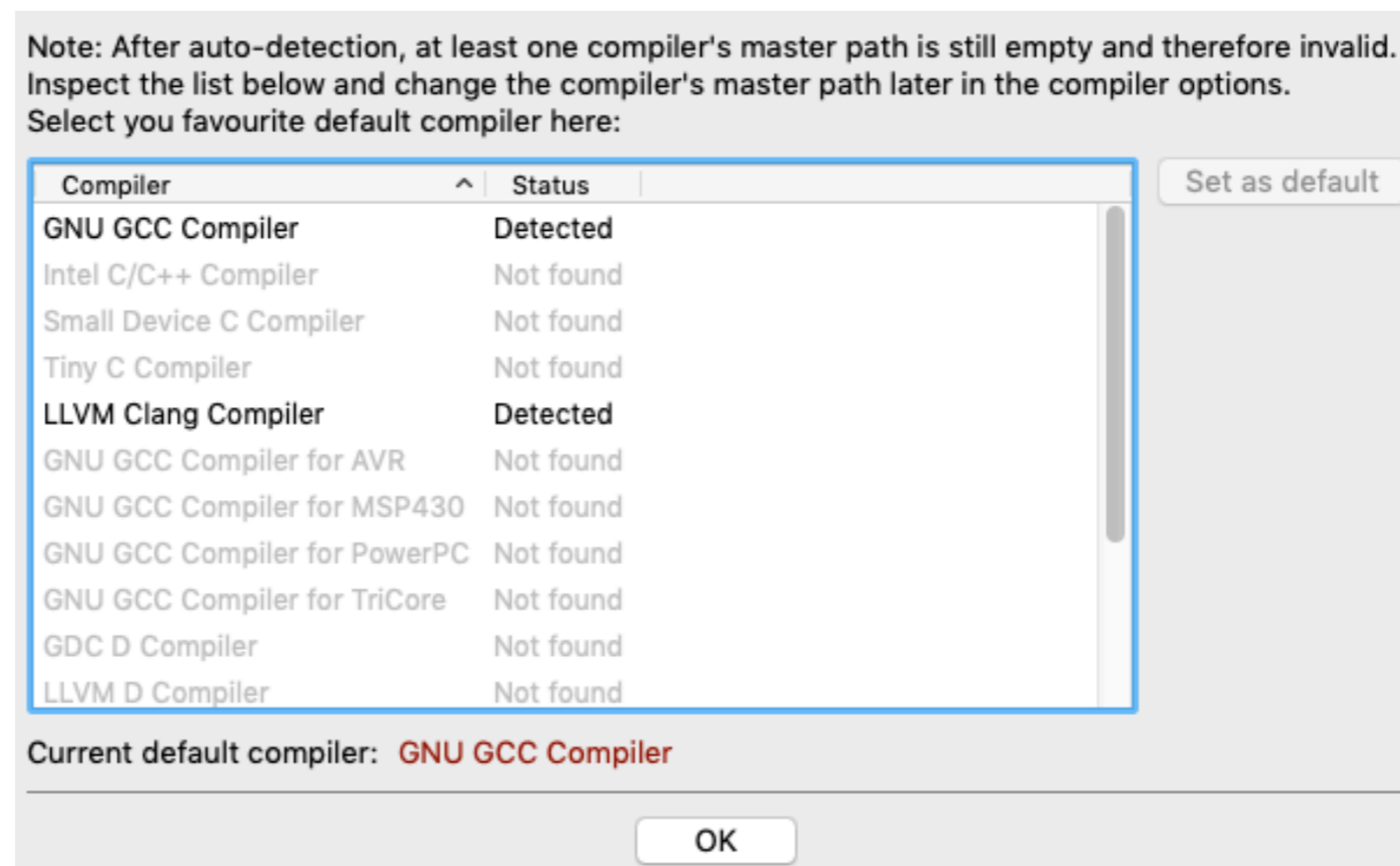
Apparira':



poiche' non e' firmata digitalmente: Dare **Open**

Apparira: (se avete GIA installato Xcode..)

(tech details: ha trovato 2 compilatori, ma NON e' vero.. e' dovuto agli alias di UNIX che mappano gcc a clang)



Test install on OSX



Ripetere quanto già visto x Windows.
(progetto di test....)

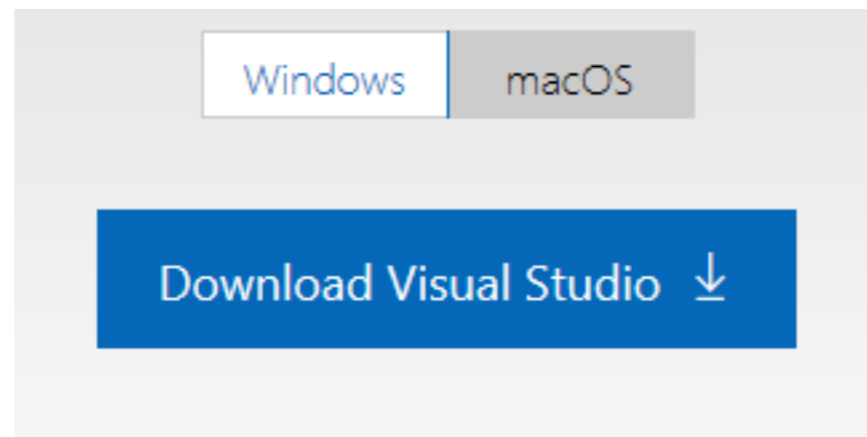
vi apparirà:

```
ingconti — cb_console_runner DYLD_LIBRARY_PATH=.: ~/Documents/test/bin/Debug/test -
Last login: Fri Sep 14 19:06:08 on ttys000
/private/var/folders/3z/h7kz5hj92tjg_d21cfhwqr000000gq/T/AppTransloc
C2-9ADB-4522-BC78-4D70260C24A0/d/CodeBlocks.app/Contents/MacOS/c
DYLD_LIBRARY_PATH=$DYLD_LIBRARY_PATH:./Users/ingconti/Document
/test
ingcontis-MacBook-Pro:~ ingconti$ /private/var/folders/3z/h7kz5h
000000gq/T/AppTranslocation/B08319C2-9ADB-4522-BC78-4D70260C24A0
p/Contents/MacOS/cb_console_runner DYLD_LIBRARY_PATH=$DYLD_LIBRA
/ingconti/Documents/test/bin/Debug/test
Hello world!

Process returned 0 (0x0)   execution time : 0.012 s
Press ENTER to continue.
█
```

LINK

<https://visualstudio.microsoft.com/vs/community/>



- In lab Community Edition
- Come studenti Poli avete accesso ANCHE agli altri..

(per Mac vedi alla fine..)

Downloads..

What do you want to do with
vs_community__273895905.1568483601.exe (1.3 MB)?
From: visualstudio.microsoft.com

Run

Save



Visual Studio Installer

Just a moment ... Fetching your files.

Downloading: 32.45 MB of 66.68 MB 4.32 MB/sec



Installing

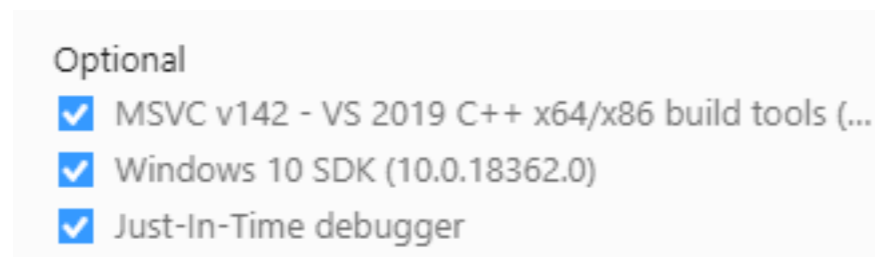
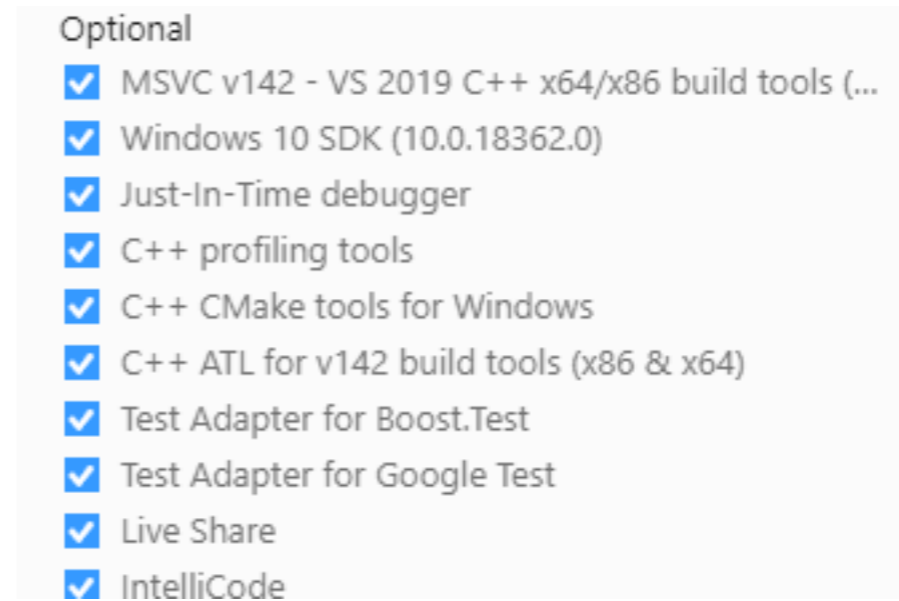
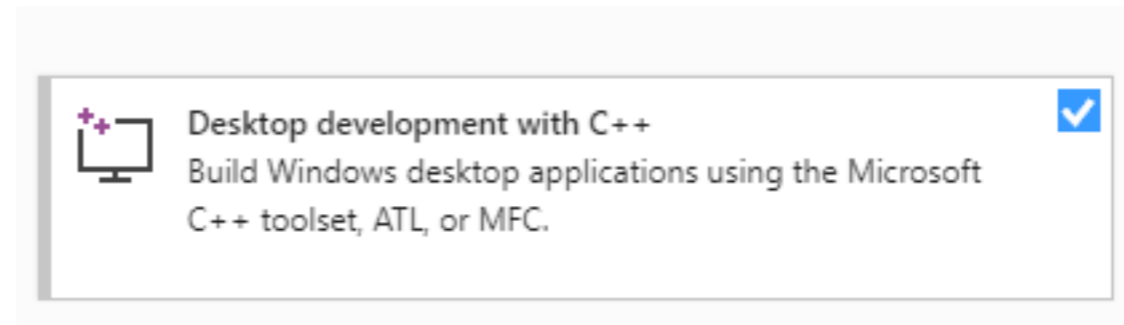


Install

SOLO

Default ok:

(si puo' anche ridurre...)



Install

Reboot required

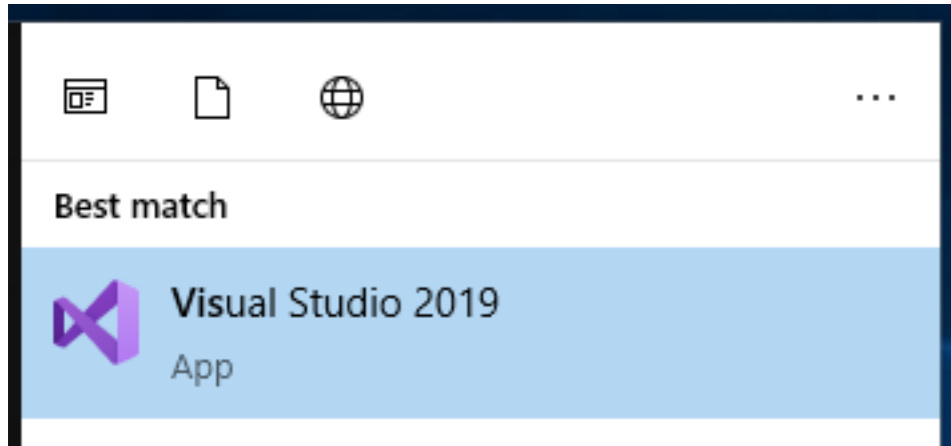
Success! One more step to go. Please restart your computer before you start Visual Studio Community 2019.

[Get troubleshooting tips](#)

Restart





Not now

Build my first Program



New project:

Get started

-  **Clone or check out code**
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

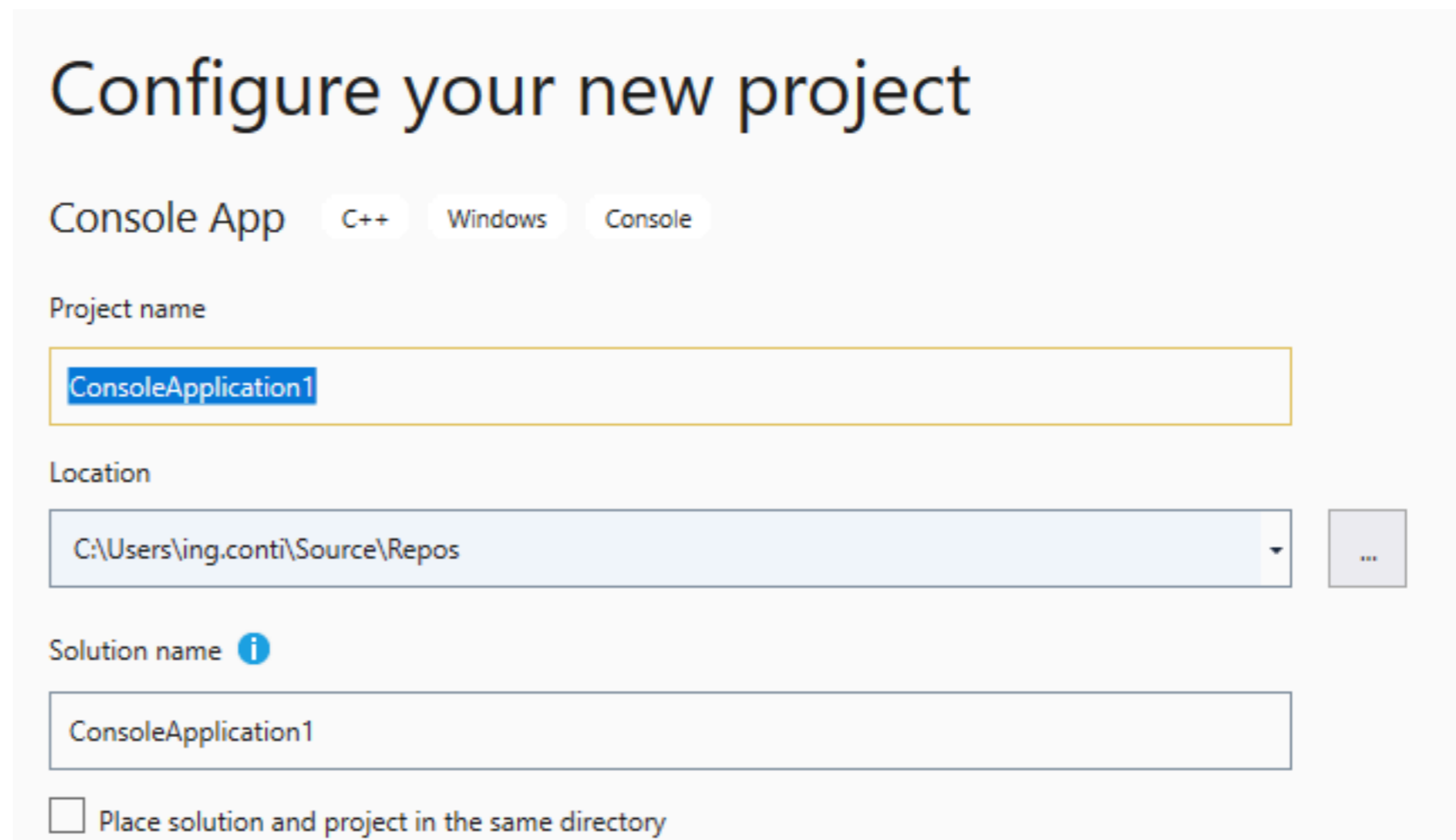
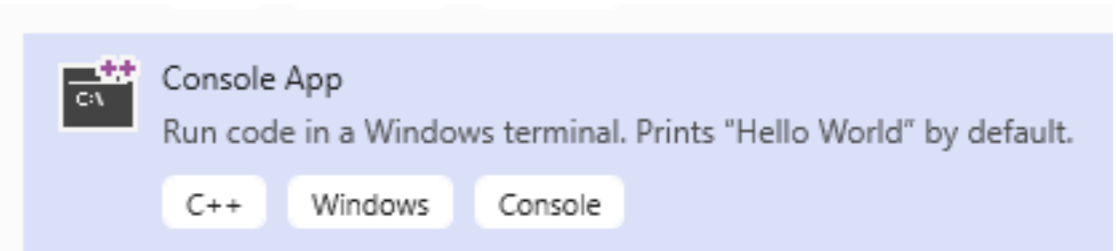
Build my first Program

(sara' Console)

Next...

Dare nomi
opportuni:

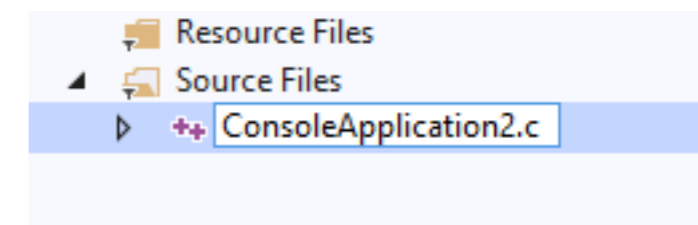
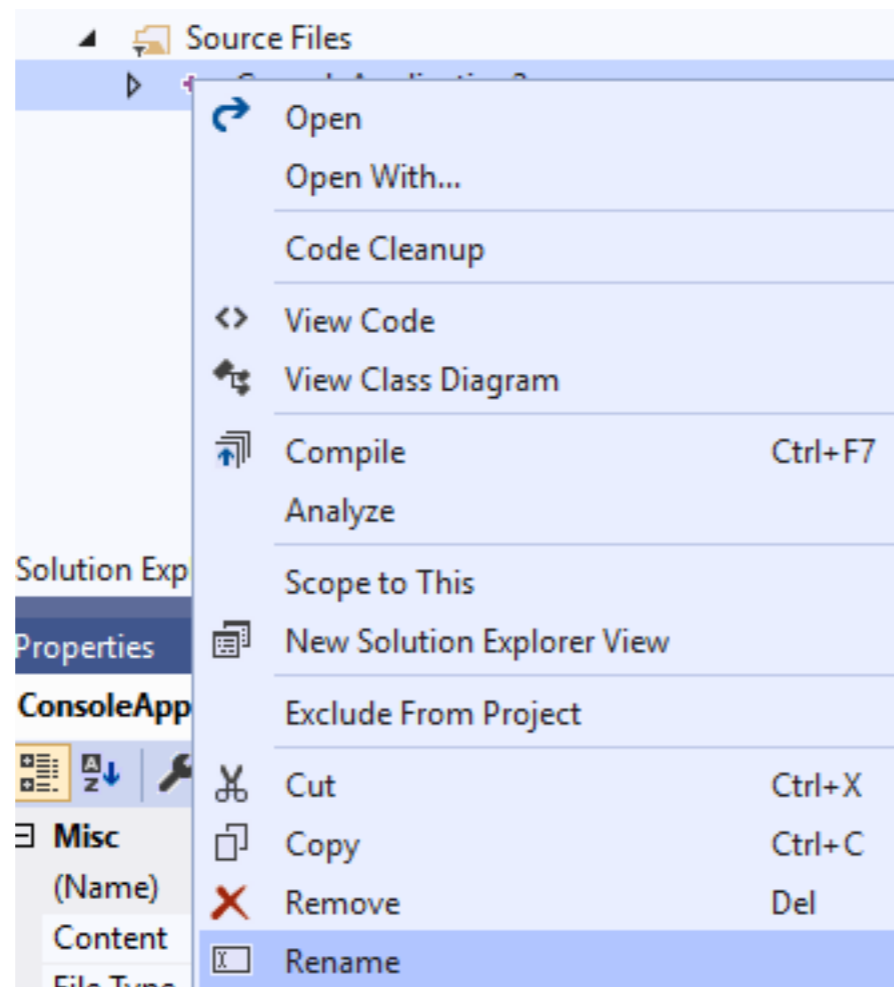
(nei Lab
attenzione al path...



Build my first Program

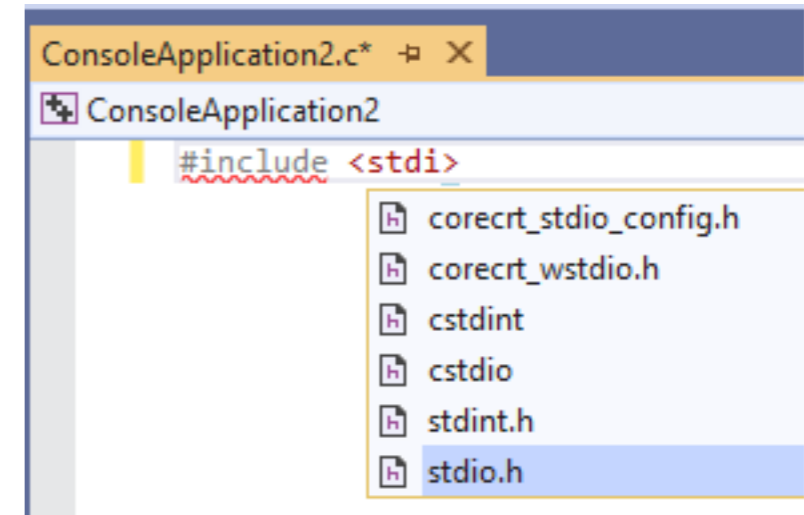
VS 2019 crea un project C++ (altro linguaggio dopo il C..)

- A) cancellare il testo del progetto
- B) Rinominare (F2) da xx.CPP a xx.C:



Build my first Program

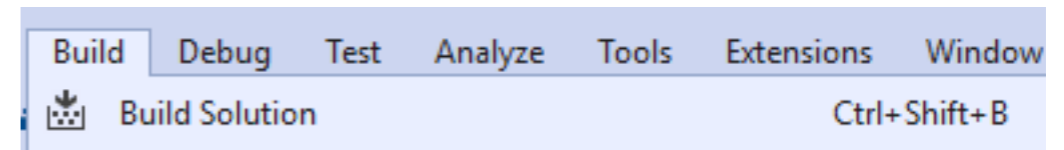
Avete “smart typing”..



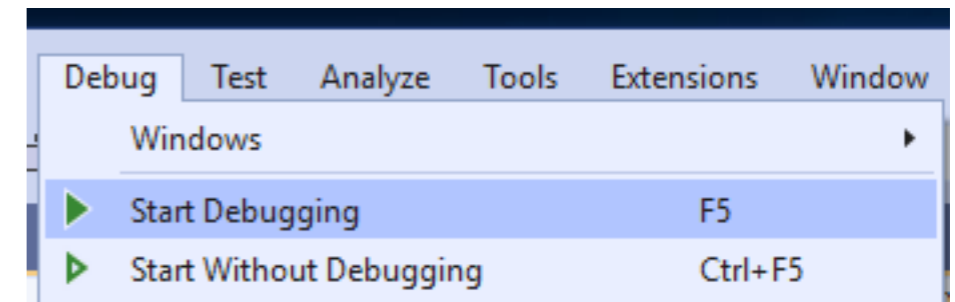
Run my first Program

3 opzioni:

a) build (verifiifca correttezza sintattica)



b) Debug (F5)
(potete vedere vars... breakpoints...)



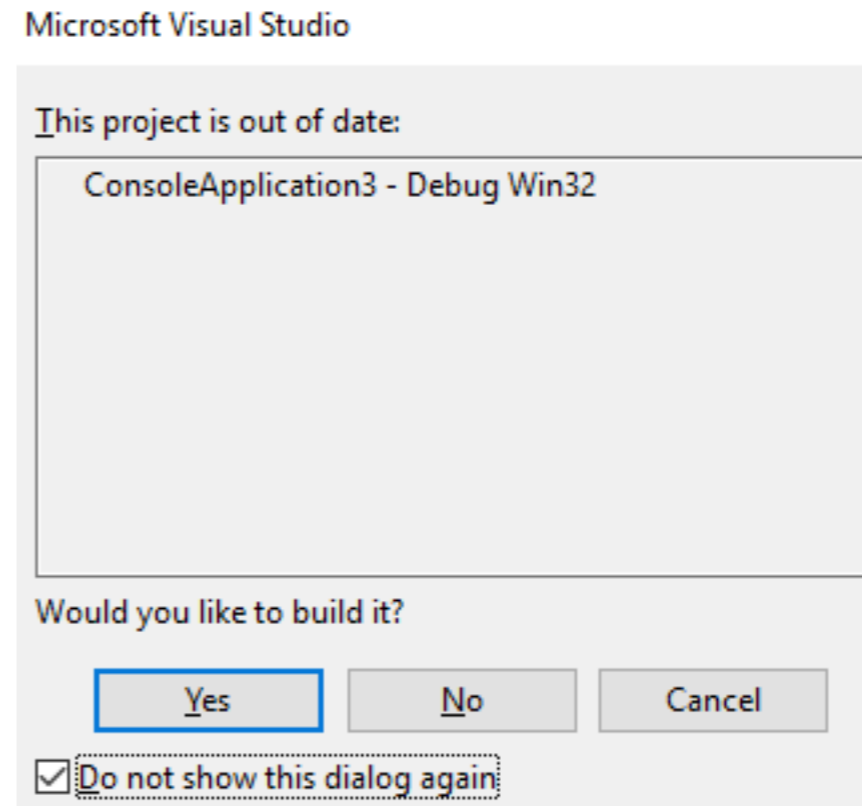
c) Run (without debugging)

Run my first Program

Apparira':

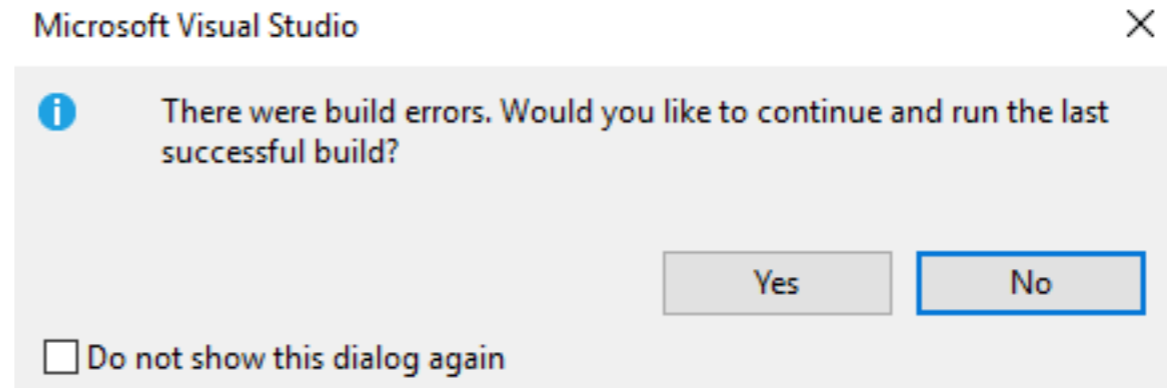
Consigliato:

Do not show again



Run my first Program

Se appare:



Consigliato:

1) Do not show again

2) Direi NO

(in tal modo programmi con errori non avviano la vers.
Precedente funzionante)

Debug my first Program

Scriviamo

Debug my first Program

Scriviamo:

```
#include <stdio.h>

int main()
{
    int a;
    int b;
    a = 10;
    b = a * 2;
    return 0;
}
```

Aggiungiamo breakpoint: (F9 sulla riga, o alt Click)



Debug my first Program

Appare:

```
#include <stdio.h>

int main()
{
    int a;
    int b;
    a = 10;
    b = a * 2;
    return 0;
}
```

F5...

The screenshot shows a debugger interface with the following components:

- Code Editor:** The program code is visible, with a yellow cursor on the line `a = 10;`. A red dot on the left margin indicates the current execution point.
- Debugger Status:** A green checkmark and the text "No issues found" are visible.
- Autos Window:** A table showing the current state of local variables.

Name	Value	Type
a	-858993460	int
b	-858993460	int

Il prog. Si ferma
Alla riga `a = 10`
(le v. Ancora “garbage”)

Debug my first Program

F10 (step over.. passo passo...)

Le v. Cambiano valore

(rosso === appena cambiato)

