

1101CSC



CREATING YOUR FIRST C++ PROGRAM USING VISUAL STUDIO 2010

(1)Download and Install Microsoft Visual Studio 2010 on your PC

1-Open your internet explorer then type the address of the(Deanship of e-Transactions & Communication) in the address bar then press **Enter**



2-Click on



3-Click on



فيجول استديو 2010

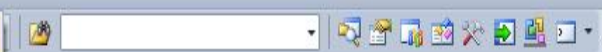
وفرت جامعة الملك سعود برنامج الفيجوال ستوديو 2010 خاص للمطورين ويعمل على بيئة ويندوز فقط
يمكنك استخدام البرنامج بدون الحاجة لرخصة فقط على شبكة الجامعة وبدون تفعيل.

Microsoft
Visual Studio
2010

4-After being downloaded on your PC, click on the installation icon then follow the wizard

- New
- Open
- Close
- Close Solution
- Save Selected Items Ctrl+S
- Save Selected Items As...
- Save All Ctrl+Shift+S
- Export Template...
- Source Control
- Page Setup...
- Print... Ctrl+P
- Recent Files
- Recent Projects and Solutions
- Exit Alt+F4

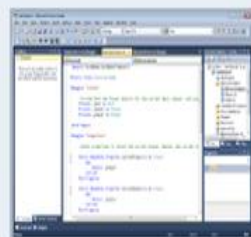
- Project... Ctrl+Shift+N
- Web Site... Shift+Alt+N
- Team Project...
- File... Ctrl+N
- Project From Existing Code...



(2) Getting Start With Microsoft Visual Studio 2010

Get Started Guidance and Resources Latest News

Welcome Windows Web Cloud Office SharePoint Data



What's New in Visual Studio 2010

Learn about the new features included in this release.

[Visual Studio 2010 Overview](#)

[What's New in .NET Framework 4](#)

[What's New in Visual C++](#)

[Customize the Visual Studio Start Page](#)



Creating Applications with Visual Studio



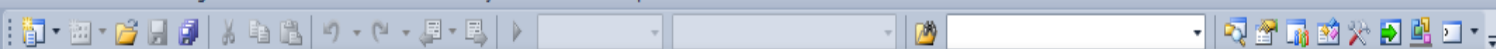
Extending Visual Studio



Community and Learning Resources

☒ Close page after project load

☒ Show page on startup



Start Page X

Microsoft Visual Studio

Connect To Team Foundation Server

New Project...

Open Project...

Recent Projects

- ex
- Q3
- example
- Q4
- Q1

New Project

Recent Templates

Installed Templates

- Visual C++
 - ATL
 - CLR
 - General
 - MFC
 - Test
 - Win32
- Other Languages
- Other Project Types
- Database
- Test Projects

Online Templates

.NET Framework 4 Sort by: Default

Search Installed Templates

Type: Visual C++

A project for creating a Win32 console application

Win32 Console Application Visual C++

MFC Application Visual C++

Win32 Project Visual C++

Empty Project Visual C++

ATL Project Visual C++

MFC DLL Visual C++

Windows Forms Application Visual C++

CLR Console Application Visual C++

CLR Empty Project Visual C++

Name: sheet1

Location: C:\Users\SEVEN\Desktop\

Solution name: sheet1

Browse...

☒ Create directory for solution

☐ Add to source control

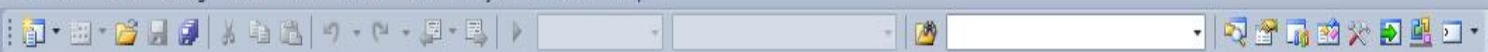
OK Cancel

Close page after project load

Show page on startup

Solution Explorer

Solut... Tea... Class...



Start Page X

Microsoft Visual Studio 2010 Premium

Connect To Team Foundation Server

New Project...

Open Project...

Recent Projects

- ex
- Q3
- example
- Q4
- Q1

☒ Close page after project load

☒ Show page on startup

Win32 Application Wizard - sheet1

Welcome to the Win32 Application Wizard

Overview

Application Settings

These are the current project settings:

- Console application

Click **Finish** from any window to accept the current settings.

After you create the project, see the project's readme.txt file for information about the project features and files that are generated.

< Previous **Next >** Finish Cancel



Microsoft Visual Studio 2010 Premium

Connect To Team Foundation Server

New Project...

Open Project...

Recent Projects

- ex
- Q3
- example
- Q4
- Q1

Close page after project load

Show page on startup

Win32 Application Wizard - sheet1

Application Settings

Overview

Application Settings

Application type:

- ☐ Windows application
- ☒ Console application
- ☐ DLL
- ☐ Static library

Additional options:

- ☒ Empty project
- ☐ Export symbols
- ☒ Precompiled header

Add common header files for:

- ☐ ATL
- ☐ MFC

< Previous Next > Finish Cancel

Solution Explorer

Solution Explorer

Solution 'ex' (1 project)

- ex
 - External Dependencies
 - Header Files
 - Resource Files
 - Source Files

Context Menu for Source Files:

- Add
 - New Item... (Ctrl+Shift+A)
 - Existing Item... (Shift+Alt+A)
 - New Filter
 - Class...
 - Resource...
- Class Wizard... (Ctrl+Shift+X)
- Cut (Ctrl+X)
- Copy (Ctrl+C)
- Paste (Ctrl+V)
- Delete (Del)
- Rename (F2)
- Properties

Creating project 'ex' ... project creation successful.

Solution Explorer

- Solution 'ex' (1 project)
 - ex
 - External Dependencies
 - Header Files
 - Resource Files
 - Source Files

Add New Item - ex

Installed Templates

Visual C++

UI

Code

Data

Resource

Web

Utility

Property Sheets

Sort by: Default

Windows Form

Visual C++

C++ File (.cpp)

Visual C++

HTML Page (.htm)

Visual C++

Static Discovery File (.disco)

Visual C++

Header File (.h)

Visual C++

Midl File (.idl)

Visual C++

Resource File (.rc)

Visual C++

Server Response File (.srf)

Visual C++

Module-Definition File (.def)

Visual C++

Registration Script (.rgs)

Visual C++

Search Installed Templates

Type: Visual C++

Creates a file containing C++ source code

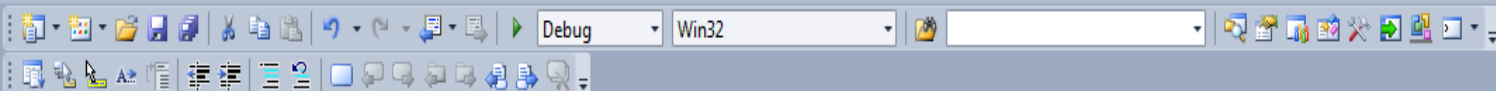
Name: main

Location: C:\Users\SEVEN\Desktop\ex\ex\

Browse...

Add

Cancel



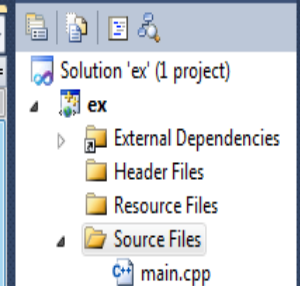
main.cpp X

(Global Scope) main()

```
#include<iostream>
using namespace std;
int main()
{
    cout<<"Welcome to C++ programming";

    return 0;
}
```

Solution Explorer



100 %

Ready

Ln 4

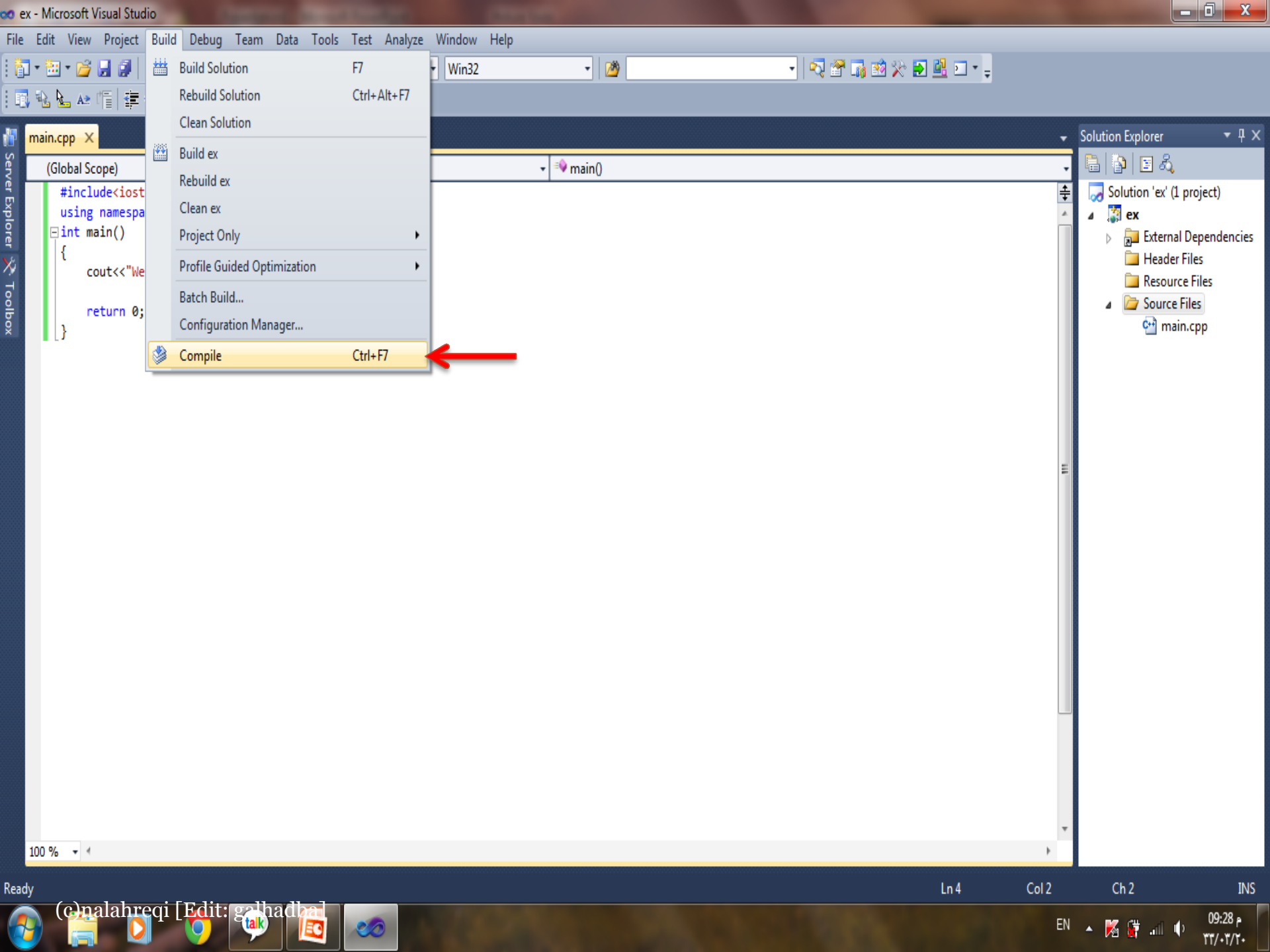
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- Build Solution F7
- Rebuild Solution Ctrl+Alt+F7
- Clean Solution
- Build ex
- Rebuild ex
- Clean ex
- Project Only
- Profile Guided Optimization
- Batch Build...
- Configuration Manager...
- Compile Ctrl+F7**

main.cpp X

(Global Scope)

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

Server Explorer Toolbox

Win32

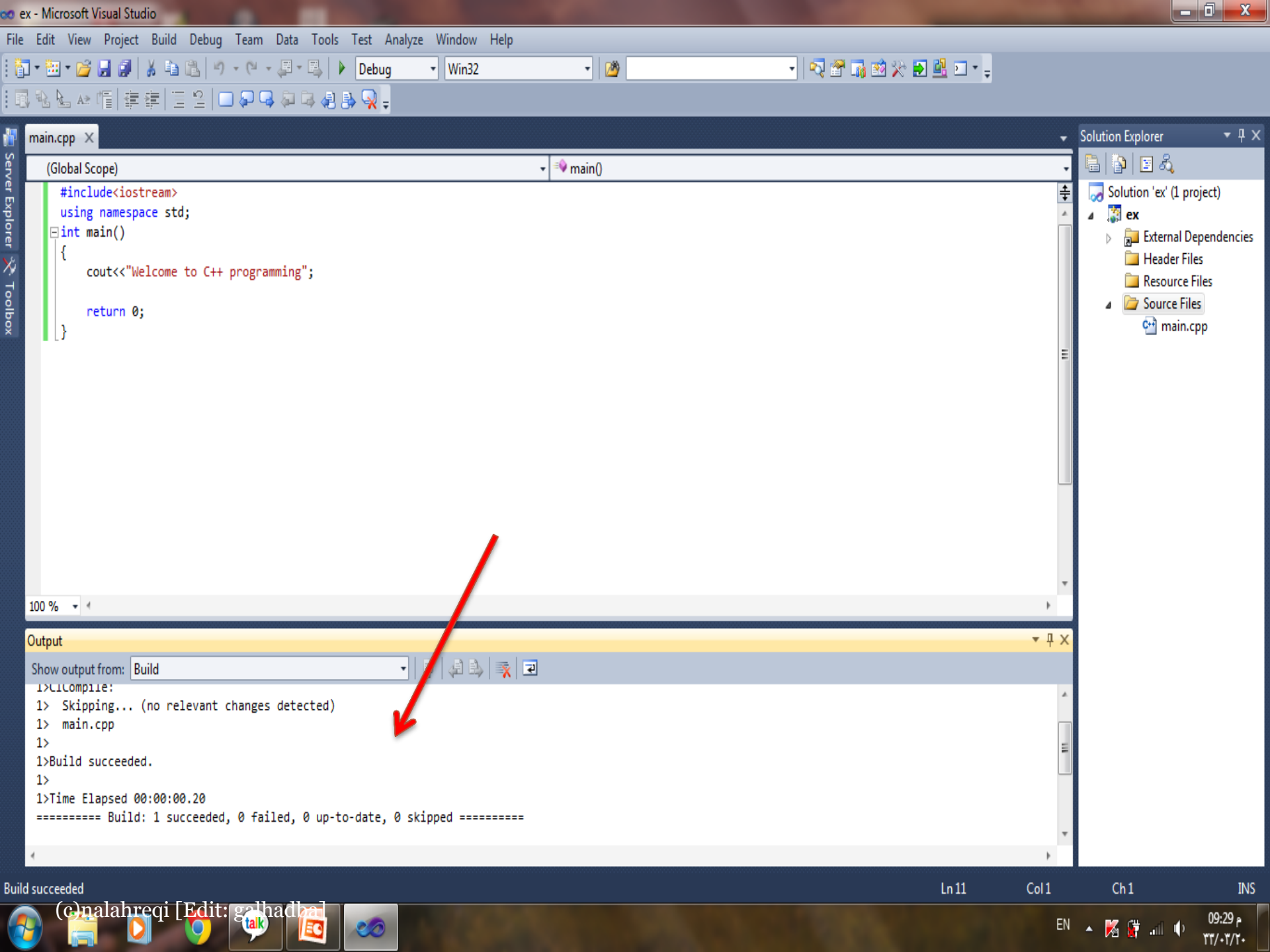
main()

Solution Explorer

Solution 'ex' (1 project)

- ex
 - External Dependencies
 - Header Files
 - Resource Files
 - Source Files
 - main.cpp





```
#include<iostream>
using namespace std;
int main()
{
    cout<<"Welcome to C++ programming";

    return 0;
}
```

1>Compile:
1> Skipping... (no relevant changes detected)
1> main.cpp
1>
1>Build succeeded.
1>
1>Time Elapsed 00:00:00.20
===== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped =====

```
100 %
Output
Show output from: Build
1>C:\Compile:
1> Skipping... (no relevant changes detected)
1> main.cpp
1>
1>Build succeeded.
1>
1>Time Elapsed 00:00:00.20
===== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped =====
```



```
Output
Show output from: Build
1>C:\Compile:
1> main.cpp
1>c:\users\seven\desktop\ex\ex\main.cpp(11): error C2146: syntax error : missing ';' before identifier 'cin'
1>
1>Build FAILED.
1>
1>Time Elapsed 00:00:01.29
===== Build: 0 succeeded, 1 failed, 0 up-to-date, 0 skipped =====
```

