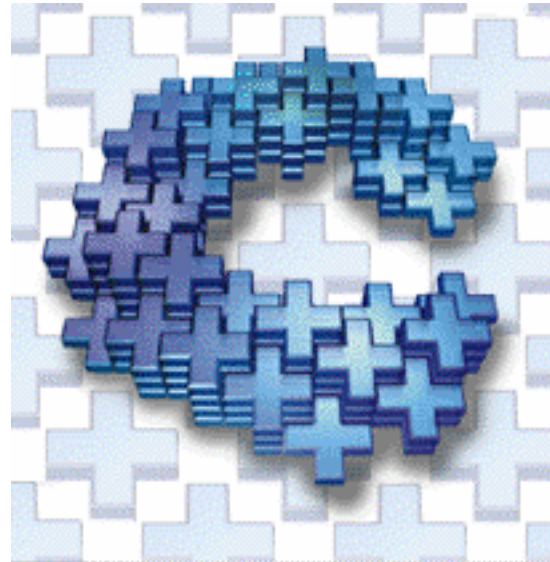


Quick Intro MS Visual C++


◆ Table of Contents

- Getting Started
- Creating a Project
- Creating a Code File
- Project File Inclusion
- Build Executable
- Compilation
- Execution
- Interface Shortcuts
- Exercise



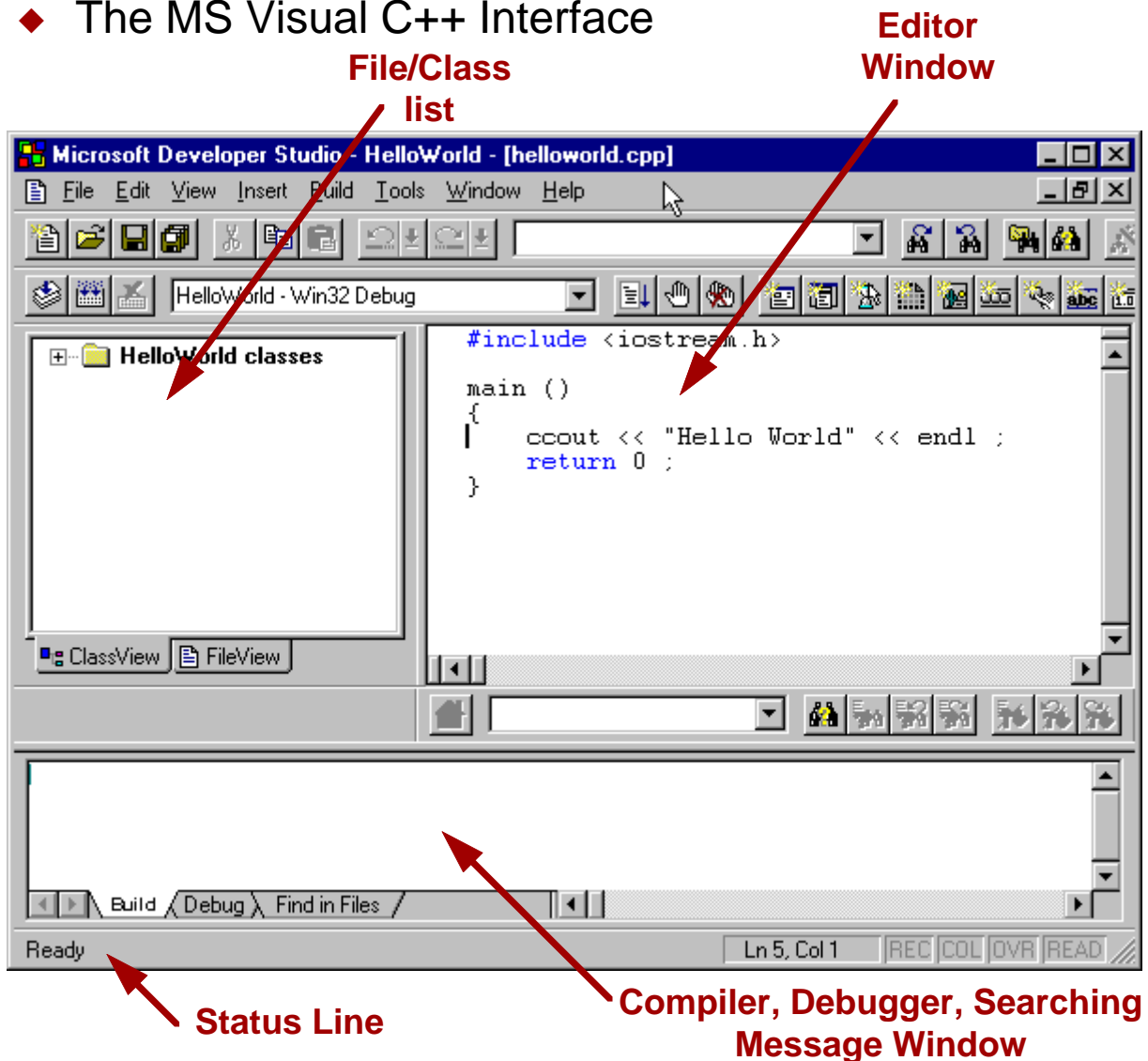
Getting Started

◆ Start the MS Visual C++ system.

- Click on  Select " Programs", and then " MS Visual C++" then choose the " MS Developer Studio " option.
- Open folders to locate the MS C++ icon (Msdev) and double-click left mouse button.



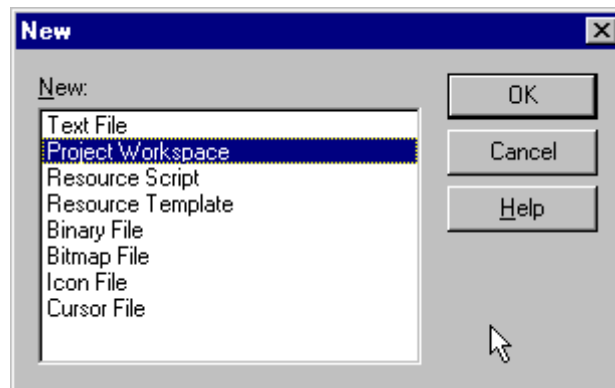
◆ The MS Visual C++ Interface



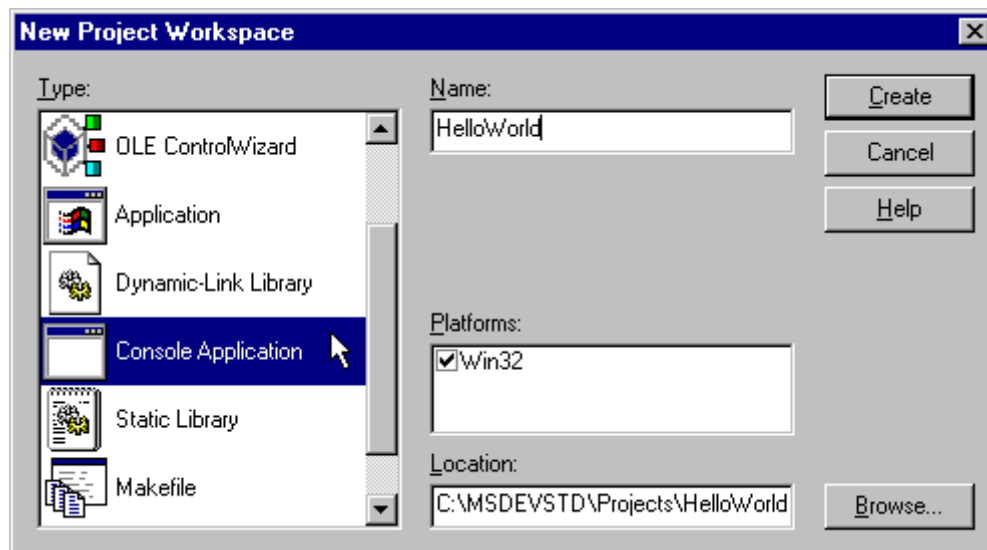
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Creating a Project

- ◆ File Menu: New... option
 - Choose Project Workspace

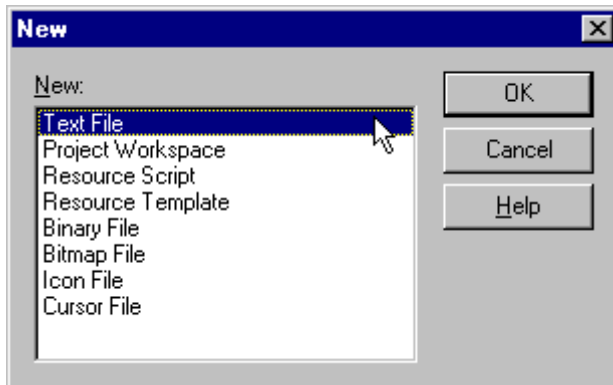


- Set Type to Console Application
- Choose Project Name
- Set Directory Storage Location



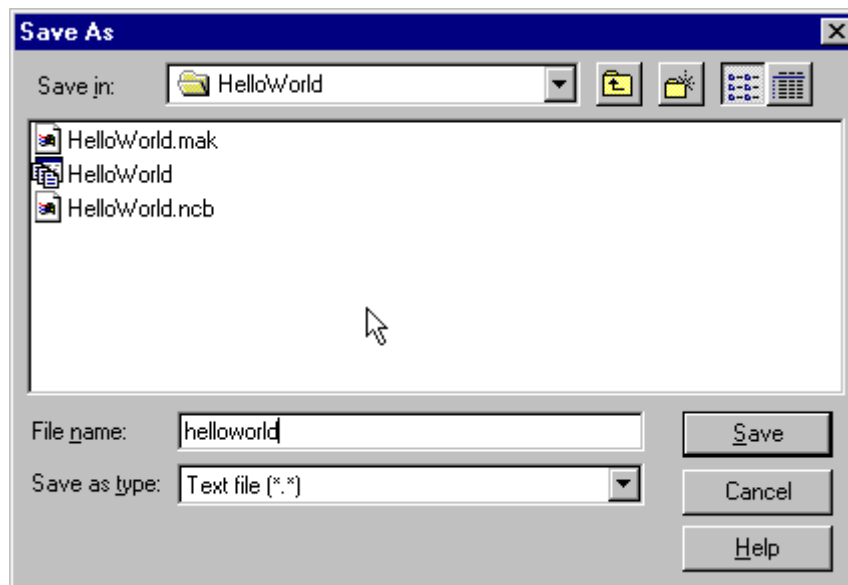
Creating a Code File

- ◆ File Menu: New... option
 - Choose Text File Workspace



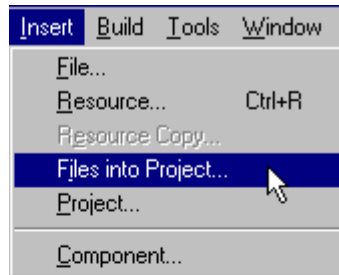
- Enter Source Code in Editing Window

- ◆ File Menu: Save as ... option
 - Extension.cpp not required, added automatically:
(check Tools menu, Options..., set C/C++ File type under the Tabs option tab.)

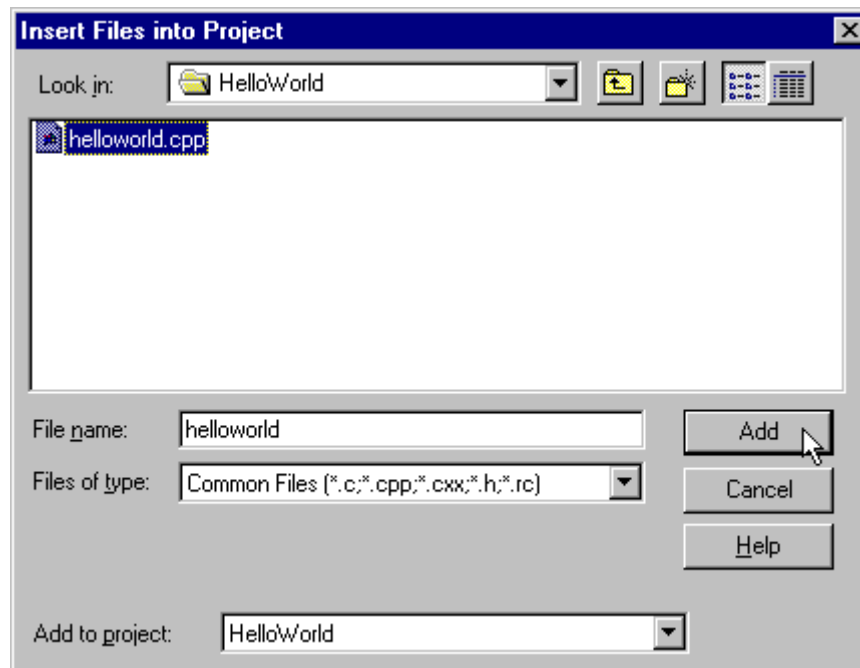


Project File Inclusion

- ◆ Insert Menu: Files into Project... option



- Select Project into which the current edited file is to be inserted



- Check Results
click on FileView tab



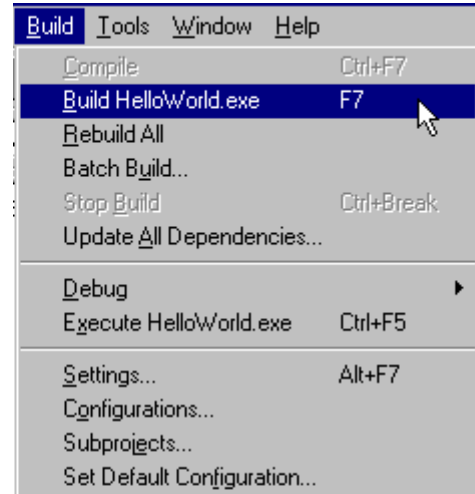
Build Executable

◆ Build Menu:

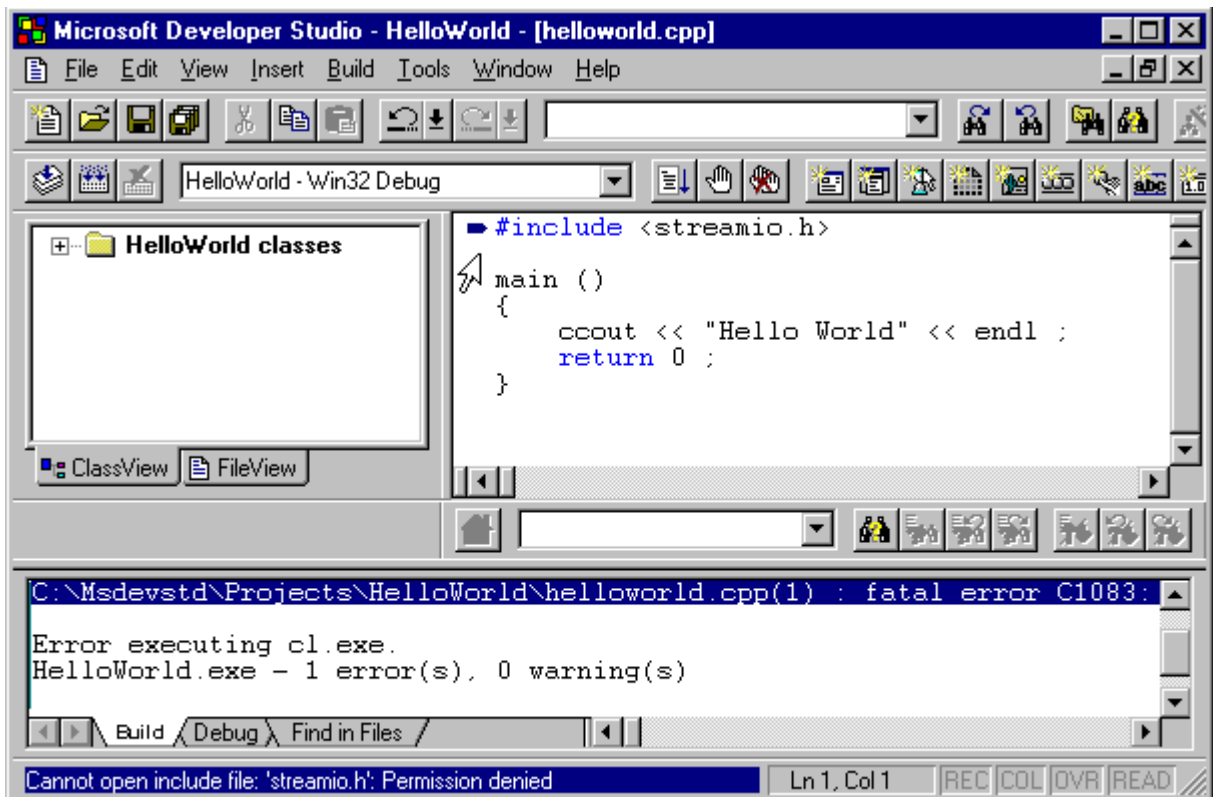
Build project name F7

- Compilation steps listed in the Message Window:

```
---Configuration: HelloWorld
Compiling...
helloworld.cpp
Linking...
```



◆ Error Reporting



- Highlight error in message Window
 - † Status line reports complete error description
 - † Editor window moves current line to offending statement

Compilation

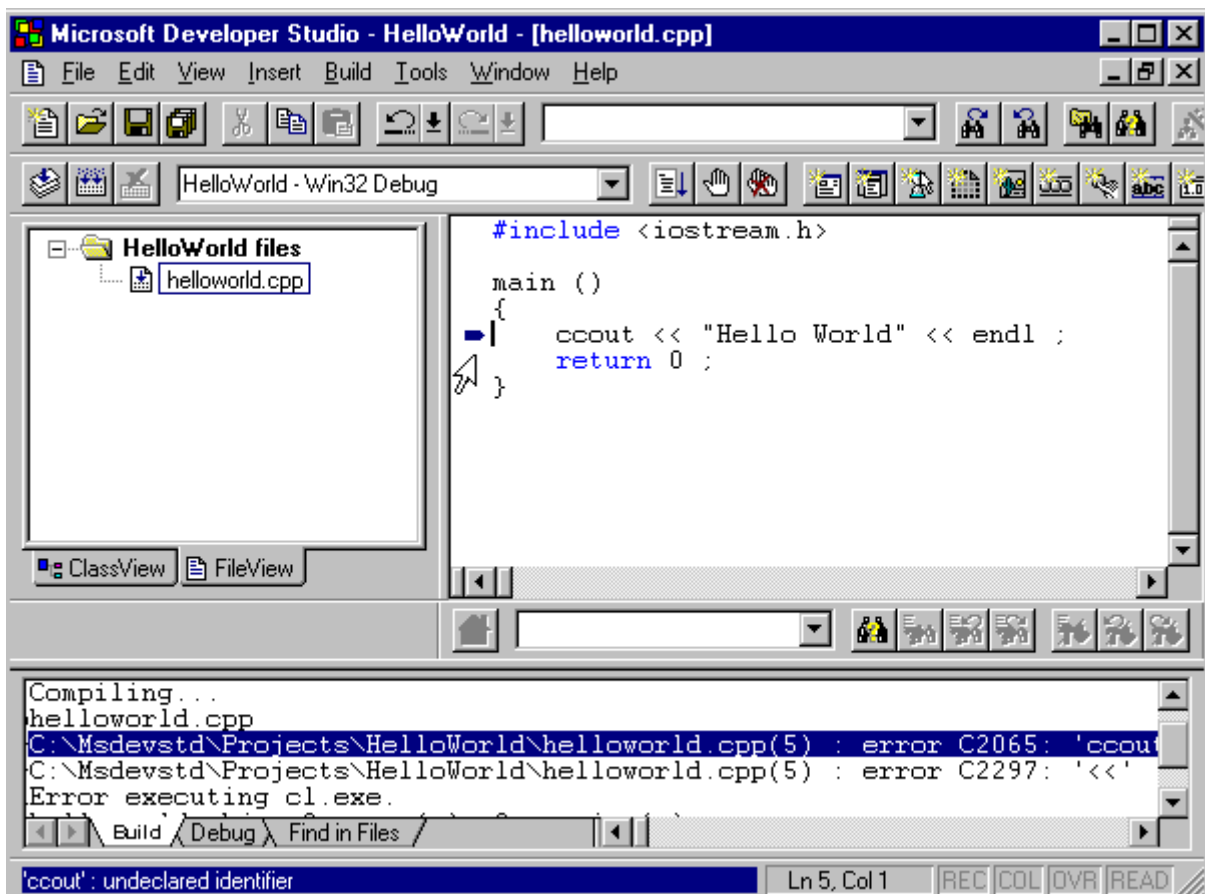
◆ Quick Translation Buttons

- Compile (^F7) Build (F7) Halt Build



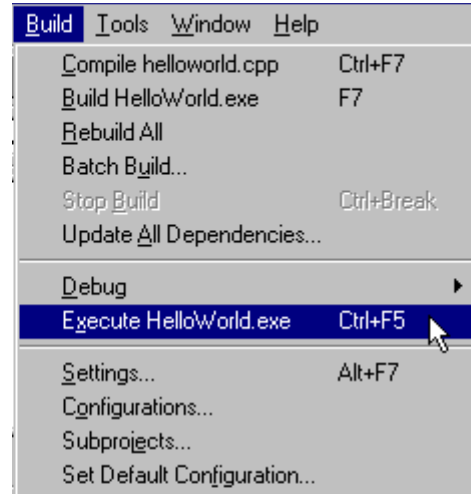
◆ Multiple Errors

- Highlight next error in message Window
 - † Status line reports complete description next error
 - † Editor window moves current line to next offending statement

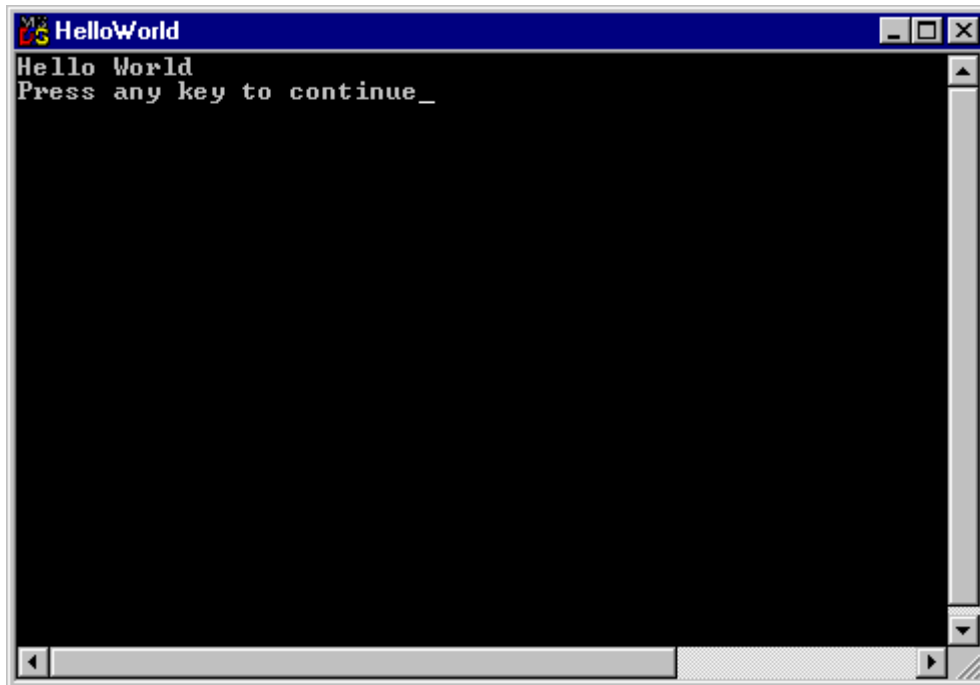


Execution

- ◆ Build menu:
Execute project name.exe
(^F5)



- ◆ DOS Execution Window



- DOS EXEcutable stored in project debug directory

MS C++ Interface Shortcuts

◆ Button Commands

- Button Icon Identification

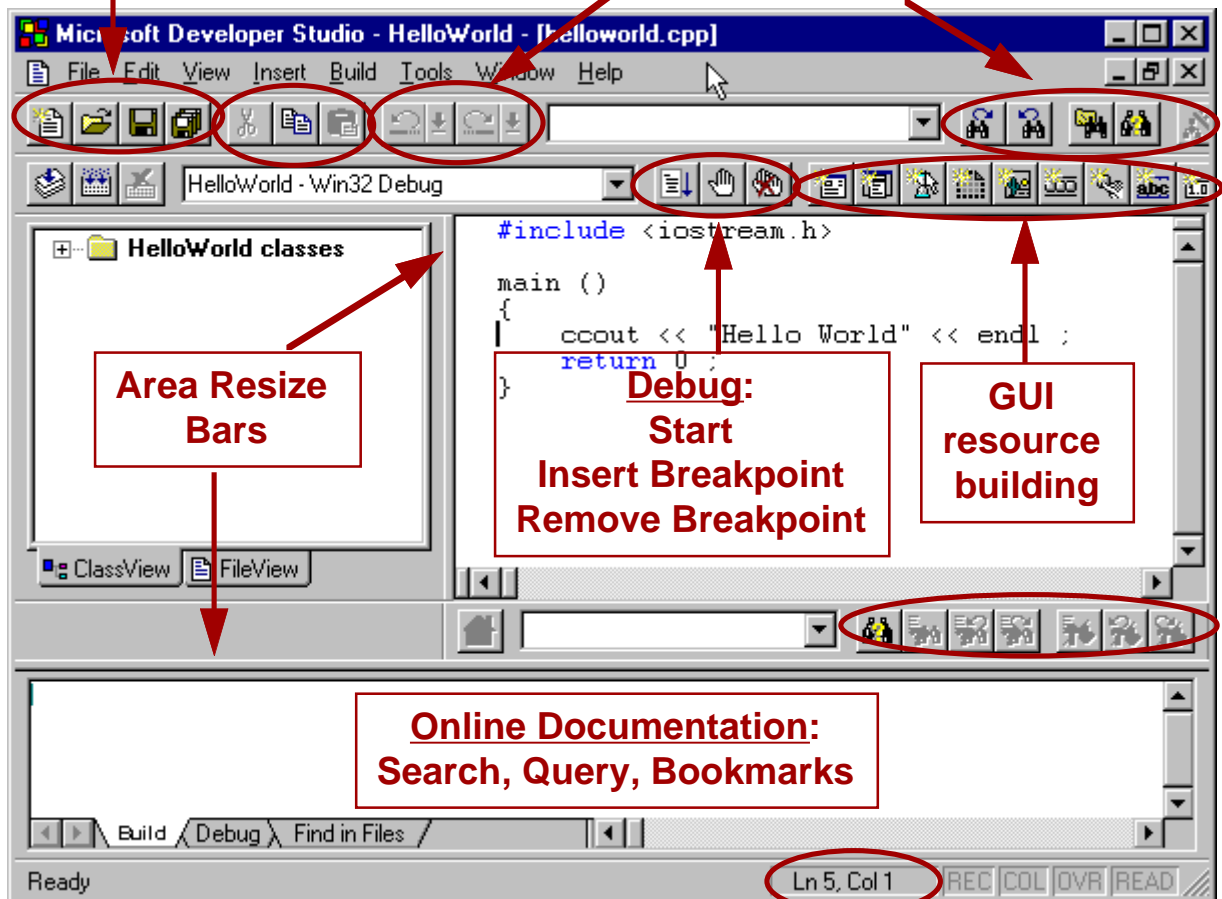
Pause cursor over button icon. Button's operation is displayed in status line & below button in pop-up label.

File: New, Open, Save, Save All

Edit: Undo, Redo

Edit: Cut, Copy, Paste

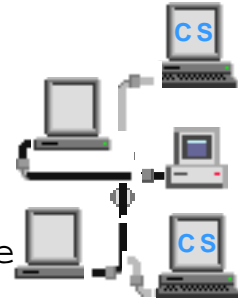
Searching



Lab Exercise

◆ MS Visual C++

**Enter the following short C++ program.
Compile, remove errors, and execute.**



```
#include "iostream.h"
int main(); //Find the Day of the Week for a Date
{
    int  mon, day, year ;

    cout << 'Enter a date for which you wish to know' << endl ;
    cout << "the day of the week (MM DD YYYY)? "
    cin  << month >> day >> year ;

    if (year < 1752)
        cout << "Only Gregorian dates accepted, sorry" << endl ;
    else {
        if (month < 3) { //Jan & Feb = 13 & 14 preceding year
            month += 12 ;
            year  -= 1 ;
        } // end if
        weekday = (day + 2*month + 3*(month+1)/5 + year + year/4
                    - year/100 + year/400 + 1) % 7 ;
        if (month > 12) { //reset Jan & Feb
            month -= 12 ;
            year  += 1 ;
        } // end if
        cout << month << "/" << day << "/" << year << " falls on" ;

        switch (weekday)
        {
            case 0: cout << "Sunday"      << endl ; break ;
            case 1: cout << "Monday"      << endl ; break ;
            case 2: cout << "Tuesday"     << endl ; break ;
            case 3: cout << "Wednesday"   << endl ; break ;
            case 4: cout << "Thursday"    << endl ; break ;
            case 5: cout << "Friday"      << endl ; break ;
            case 6: cout << "Saturday"    << endl ; break ;
        } // end switch
    } // end else
} // end main
```

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