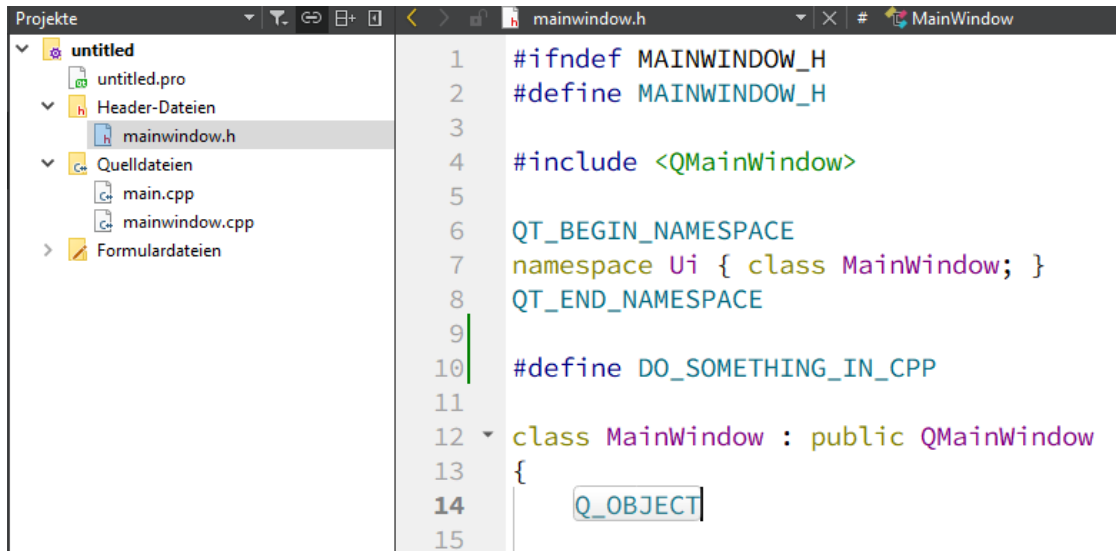


## QTCREATORBUG-24133

Tested with QtCreator 9.0.2

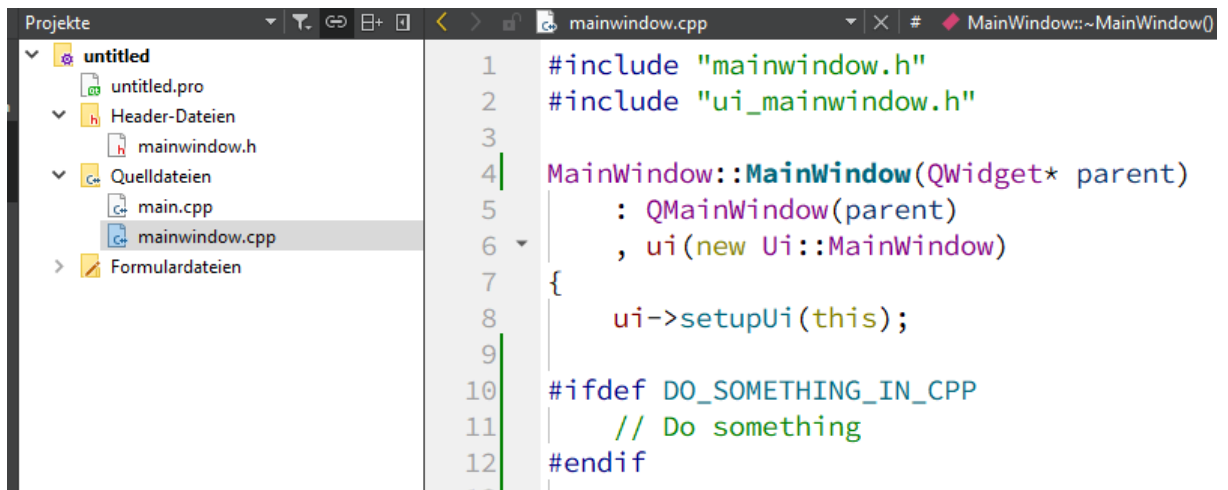
1. Create empty Qt Widgets application
2. Create `#define DO_SOMETHING_IN_CPP` in `mainwindow.h` (saved, no \* visible)



The screenshot shows the Qt Creator IDE with the `mainwindow.h` file open. The left sidebar shows the project structure: `untitled` (project), `untitled.pro` (pro file), `Header-Dateien` (header files) containing `mainwindow.h`, `Quelldateien` (source files) containing `main.cpp` and `mainwindow.cpp`, and `Formulardateien` (form files). The main editor shows the content of `mainwindow.h`:

```
1  #ifndef MAINWINDOW_H
2  #define MAINWINDOW_H
3
4  #include <QMainWindow>
5
6  QT_BEGIN_NAMESPACE
7  namespace Ui { class MainWindow; }
8  QT_END_NAMESPACE
9
10 #define DO_SOMETHING_IN_CPP
11
12 class MainWindow : public QMainWindow
13 {
14     Q_OBJECT
15 }
```

3. Add to `mainwindow.cpp` (and also saved)

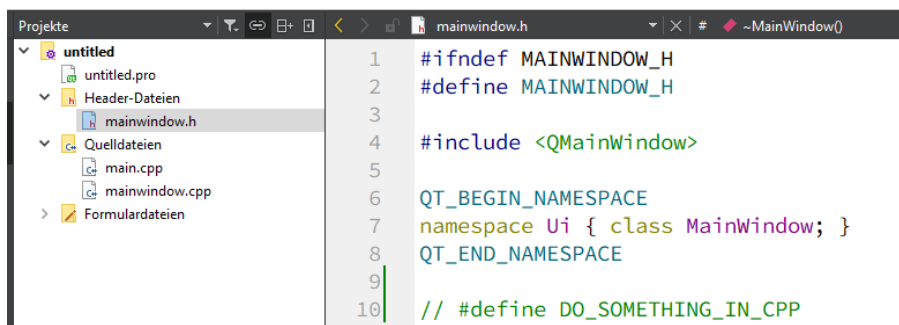


The screenshot shows the Qt Creator IDE with the `mainwindow.cpp` file open. The left sidebar shows the project structure: `untitled` (project), `untitled.pro` (pro file), `Header-Dateien` (header files) containing `mainwindow.h`, `Quelldateien` (source files) containing `main.cpp` and `mainwindow.cpp`, and `Formulardateien` (form files). The main editor shows the content of `mainwindow.cpp`:

```
1  #include "mainwindow.h"
2  #include "ui_mainwindow.h"
3
4  MainWindow::MainWindow(QWidget* parent)
5      : QMainWindow(parent)
6      , ui(new Ui::MainWindow)
7  {
8      ui->setupUi(this);
9
10 #ifdef DO_SOMETHING_IN_CPP
11     // Do something
12 #endif
13 }
```

4. Back to `mainwindow.h`

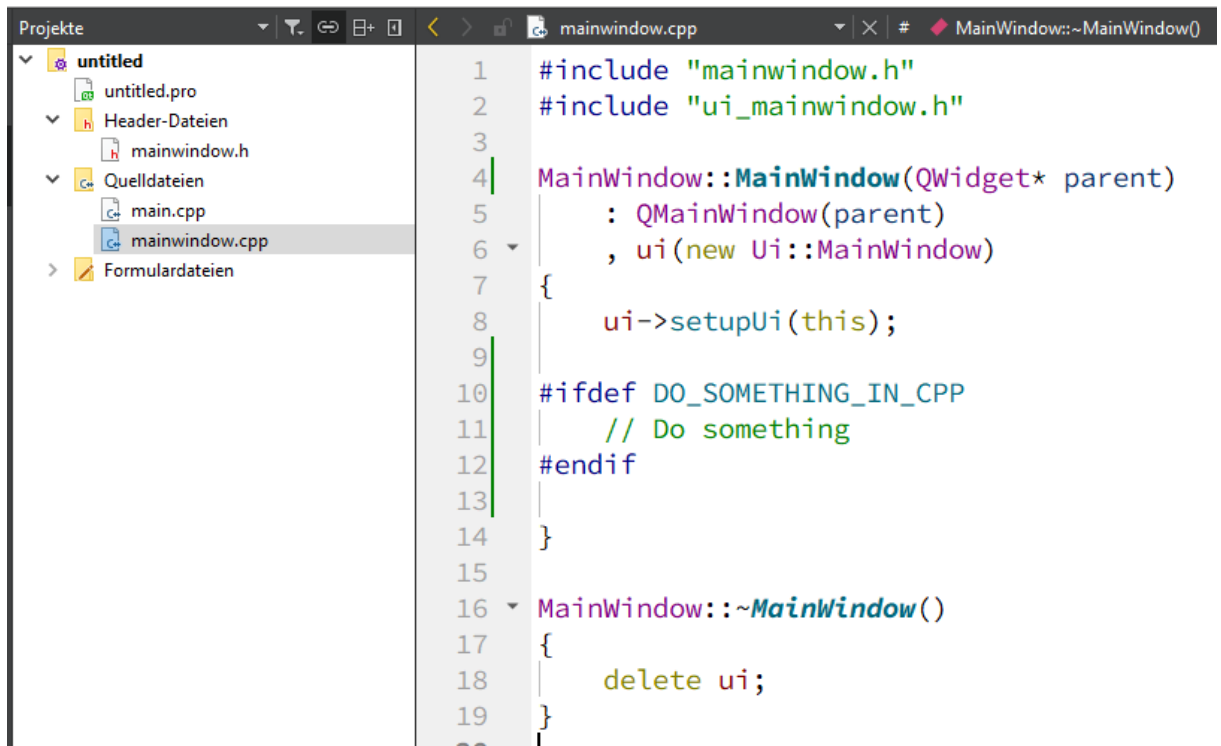
Deactivate `#define` and save (no \* visible)



The screenshot shows the Qt Creator IDE with the `mainwindow.h` file open. The left sidebar shows the project structure: `untitled` (project), `untitled.pro` (pro file), `Header-Dateien` (header files) containing `mainwindow.h`, `Quelldateien` (source files) containing `main.cpp` and `mainwindow.cpp`, and `Formulardateien` (form files). The main editor shows the content of `mainwindow.h` with the `#define DO_SOMETHING_IN_CPP` line commented out:

```
1  #ifndef MAINWINDOW_H
2  #define MAINWINDOW_H
3
4  #include <QMainWindow>
5
6  QT_BEGIN_NAMESPACE
7  namespace Ui { class MainWindow; }
8  QT_END_NAMESPACE
9
10 // #define DO_SOMETHING_IN_CPP
11
```

5. Back to mainwindow.cpp



The screenshot shows the Qt Creator IDE. On the left, the 'Projekte' sidebar displays a project named 'untitled' with a file tree containing 'untitled.pro', 'Header-Dateien' (with 'mainwindow.h'), 'Quelldateien' (with 'main.cpp' and 'mainwindow.cpp'), and 'Formulardateien'. The main editor window shows 'mainwindow.cpp' with the following code:

```
1 #include "mainwindow.h"
2 #include "ui_mainwindow.h"
3
4 MainWindow::MainWindow(QWidget* parent)
5     : QMainWindow(parent)
6     , ui(new Ui::MainWindow)
7 {
8     ui->setupUi(this);
9
10 #ifdef DO_SOMETHING_IN_CPP
11     // Do something
12 #endif
13
14 }
15
16 MainWindow::~MainWindow()
17 {
18     delete ui;
19 }
```

Lines 10 through 12, which are enclosed in an `#ifdef DO_SOMETHING_IN_CPP` block, are highlighted in green, indicating they are active.

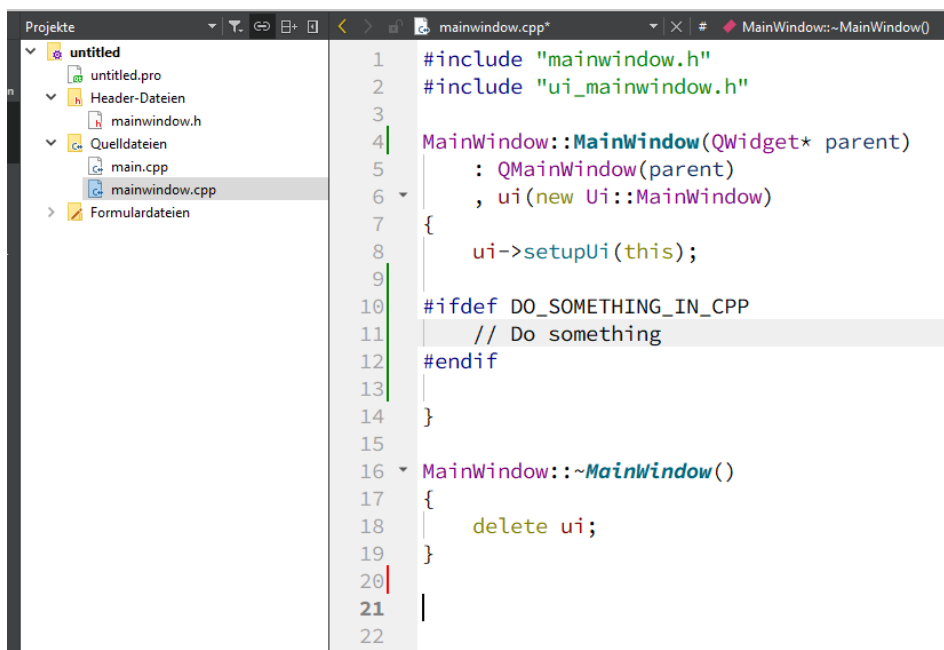
Code in `#ifdef` still activated (highlighted).

→ Note: When i close QtCreator and open the project everything is fine.

6. Build project

→ no update in editor → code still highlighted as activated code

7. When i press e.g. space or return in the editor while mainwindow.cpp is open, the highlighting is updated: I press ENTER while cursor is at end of file.



This screenshot shows the same Qt Creator IDE after pressing the ENTER key at the end of the file. The code is identical to the previous screenshot, but the `#ifdef DO_SOMETHING_IN_CPP` block (lines 10-12) is no longer highlighted, indicating it is now considered inactive.

## Qt Creator Settings:

Name	Geladen
▼ Build Systems	<input checked="" type="checkbox"/>
- AutotoolsProjectManager	<input type="checkbox"/>
✓ CMakeProjectManager	<input checked="" type="checkbox"/>
- CompilationDatabaseProjectManager (experimentell)	<input type="checkbox"/>
✓ GenericProjectManager	<input checked="" type="checkbox"/>
✓ IncrediBuild	<input checked="" type="checkbox"/>
- MesonProjectManager (experimentell)	<input type="checkbox"/>
✓ QbsProjectManager	<input checked="" type="checkbox"/>
✓ QmakeProjectManager	<input checked="" type="checkbox"/>
✓ QtSupport	<input checked="" type="checkbox"/>
▼ C++	<input checked="" type="checkbox"/>
✓ Beautifier (experimentell)	<input checked="" type="checkbox"/>
- ClangCodeModel	<input type="checkbox"/>
- ClangFormat	<input type="checkbox"/>
✓ ClassView	<input checked="" type="checkbox"/>
✓ CppEditor	<input checked="" type="checkbox"/>
▼ Code Analyzer	<input checked="" type="checkbox"/>
- ClangTools	<input type="checkbox"/>
- Cppcheck (experimentell)	<input type="checkbox"/>
✓ CtfVisualizer	<input checked="" type="checkbox"/>
✓ PerfProfiler	<input checked="" type="checkbox"/>
✓ Valgrind	<input checked="" type="checkbox"/>
▼ Core	<input checked="" type="checkbox"/>
✓ Bookmarks	<input checked="" type="checkbox"/>
✓ Core	<input checked="" type="checkbox"/>
✓ Help	<input checked="" type="checkbox"/>
✓ ProjectExplorer	<input checked="" type="checkbox"/>
✓ TextEditor	<input checked="" type="checkbox"/>
✓ Welcome	<input checked="" type="checkbox"/>
▼ Device Support	<input checked="" type="checkbox"/>
✓ Android	<input checked="" type="checkbox"/>
- BareMetal (experimentell)	<input type="checkbox"/>
- Boot2Qt	<input type="checkbox"/>
- Ios	<input type="checkbox"/>
- McuSupport	<input type="checkbox"/>
✓ Qnx	<input checked="" type="checkbox"/>
✓ RemoteLinux	<input checked="" type="checkbox"/>
- WebAssembly (experimentell)	<input type="checkbox"/>
▼ Hilfsmittel	<input checked="" type="checkbox"/>
✓ AutoTest	<input checked="" type="checkbox"/>
- Coco (experimentell)	<input type="checkbox"/>
✓ CodePaster	<input checked="" type="checkbox"/>
- Conan (experimentell)	<input type="checkbox"/>
✓ DiffEditor	<input checked="" type="checkbox"/>
- Docker (experimentell)	<input type="checkbox"/>
- EmacsKeys (experimentell)	<input type="checkbox"/>
✓ FakeVim	<input checked="" type="checkbox"/>
- GitLab (experimentell)	<input type="checkbox"/>
- HelloWorld	<input type="checkbox"/>
✓ ImageViewer	<input checked="" type="checkbox"/>
✓ Macros	<input checked="" type="checkbox"/>
✓ Marketplace	<input checked="" type="checkbox"/>
- SerialTerminal (experimentell)	<input type="checkbox"/>
- SilverSearcher (experimentell)	<input type="checkbox"/>
- Squish (experimentell)	<input type="checkbox"/>
- StudioWelcome	<input type="checkbox"/>
- Todo (experimentell)	<input type="checkbox"/>
✓ UpdateInfo	<input checked="" type="checkbox"/>
▼ Modeling	<input checked="" type="checkbox"/>
✓ ModelEditor	<input checked="" type="checkbox"/>
✓ ScxmlEditor	<input checked="" type="checkbox"/>
▼ Other Languages	<input checked="" type="checkbox"/>
✓ GLSEditor	<input checked="" type="checkbox"/>
✓ LanguageClient	<input checked="" type="checkbox"/>
- Nim (experimentell)	<input type="checkbox"/>
✓ Python	<input checked="" type="checkbox"/>
▼ Qt Creator	<input checked="" type="checkbox"/>
✓ BinEditor	<input checked="" type="checkbox"/>
✓ Debugger	<input checked="" type="checkbox"/>
✓ Designer	<input checked="" type="checkbox"/>
✓ ResourceEditor	<input checked="" type="checkbox"/>
▼ Qt Quick	<input checked="" type="checkbox"/>
- QmlDesigner	<input type="checkbox"/>
✓ QmlJSEditor	<input checked="" type="checkbox"/>
✓ QmlJSTools	<input checked="" type="checkbox"/>
✓ QmlPreview	<input checked="" type="checkbox"/>
✓ QmlProfiler	<input checked="" type="checkbox"/>
✓ QmlProjectManager	<input checked="" type="checkbox"/>
▼ Version Control	<input checked="" type="checkbox"/>
✓ Bazaar	<input checked="" type="checkbox"/>
✓ CVS	<input checked="" type="checkbox"/>
- ClearCase	<input type="checkbox"/>
✓ Git	<input checked="" type="checkbox"/>
✓ Mercurial	<input checked="" type="checkbox"/>
- Perforce	<input type="checkbox"/>
✓ Subversion	<input checked="" type="checkbox"/>
✓ VcsBase	<input checked="" type="checkbox"/>