

# Troubleshooting Compiler Errors

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# First things first. Have you compared your program with a working sample?

- First thing to do if you are too new C programming.
- Always have a reference program until you are comfortable with the syntax in general.
- Some initial compile errors should never let you down.

# Follow my steps when you deal with visual studio.

- Also when you start your project in visual studio always follow my steps.
- Visual studio is complicated and easy to loose track if you do some thing else.
- Do not delete the default #include “stdafx.h” unless instructed.
- Always start with building a hello world to make sure the environment is correct as well as something called build of precompiled header in visual studio.

# First check.

- Check you code very carefully for below items for any kind of compiler errors as they are very much possible for beginners. Also below reasons may force the compiler to point to some wrong lines.
  1. Missing any
    1. `{` or
    2. `}` or
    3. `( ` or
    4. `)` or
    5. `;`
  2. The variables and functions you are using is declared before using ?
  3. Name you typed is correct. C **IS** case sensitive.

# Demo

- Common error
- Missing braces, parentheses and semi colon;
- Missing declaration function, variable, type error for variable names.

# Compiler Error code.

- Search with the error you are getting.
- Remove the custom variable name in the error before you search.
- If you are beginner you may not completely understand the forum or msdn reason for the error again that should not let you down.
- But try make changes according to it and see if helps.
- May be a bit of trial and error is needed in the beginning.

# Demo

- Search with compiler error.
- Passing a wrong type to a function.

# Conclusion

- Compiler errors can be cryptic to begin with.
- Stick with simple programs to begin with.
- Make sure you use all possible online help.
- It can be a bit tiring and make sure you don't lose sight and try hard.

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Thank you.