[**How to Compile & Run LEX / YACC Programs on Windows ?**](https://thesvgway.wordpress.com/2013/10/09/how-to-compile-run-lex-yacc-programs-on-windows/)

If you are installing Ubuntu (or any Linux based OS) on your system either through Virtual Box or by making your system Multi-Bootable, just to execute your Lex & Yacc programs; then you might be wasting your HDD space & your valuable time. You can easily skip this annoying process and run your programs in Windows OS without any hassles.  
  
Here’s how you can do it:  
  
**Installing Softwares:**

1. Download [**Flex 2.5.4a**](http://gnuwin32.sourceforge.net/downlinks/flex.php)
2. Download [**Bison 2.4.1**](http://downloads.sourceforge.net/gnuwin32/bison-2.4.1-setup.exe)
3. Download **[DevC++](http://sourceforge.net/projects/dev-cpp/files/Binaries/Dev-C%2B%2B%204.9.9.2/devcpp-4.9.9.2_setup.exe/download?use_mirror=switch" \o "DevC++" \t "_blank)**
4. Install **Flex** at “**C:\GnuWin32**“
5. Install **Bison** at “**C:\GnuWin32**“
6. Install **DevC++** at “**C:\Dev-Cpp**“
7. Open Environment Variables.
8. Add “**C:\GnuWin32\bin;C:\Dev-Cpp\bin;**” to path.

**Compilation & Execution of your Program:**

1. Open Command prompt and switch to your working directory where you have stored your lex file (“.l“) and yacc file (“.y“)
2. Let your lex and yacc files be “hello.l” and “hello.y“. Now, follow the preceding steps to compile and run your program.
   1. For Compiling **Lex** file only:
      1. flex hello.l
      2. gcc lex.yy.c
   2. For Compiling **Lex & Yacc** file both:
      1. bison -dy hello.y
      2. flex hello.l
      3. gcc lex.yy.c y.tab.c
   3. For **Executing** the Program
      1. a.exe