

Compile and Run C Program

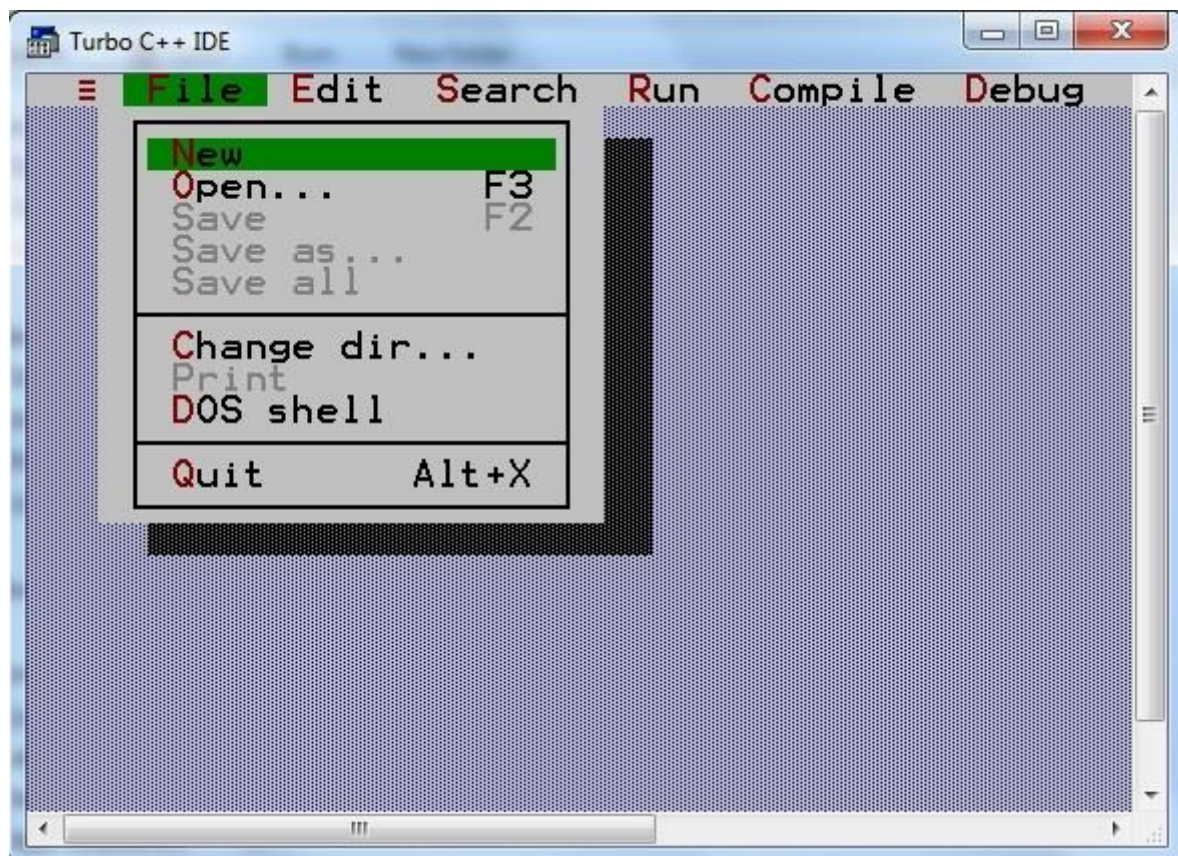
To compile and run a C language program, you need a C compiler. To setup a C language compiler in your Computer/laptop, there are two ways:

1. Download a full fledged IDE like Turbo C or Microsoft Visual C++, which comes along with a C language compiler.
2. Or, you use any text editor to edit the program files and download the C compiler separately.

Using an IDE - Turbo C

We will recommend you to use **Turbo C** IDE, oldest IDE for c programming. It is freely available over internet and is good for a beginner.

Step 1 : Open turbo C IDE(Integrated Development Environment), click on **File** and then click on New



Step 2 : Write the above example as it is

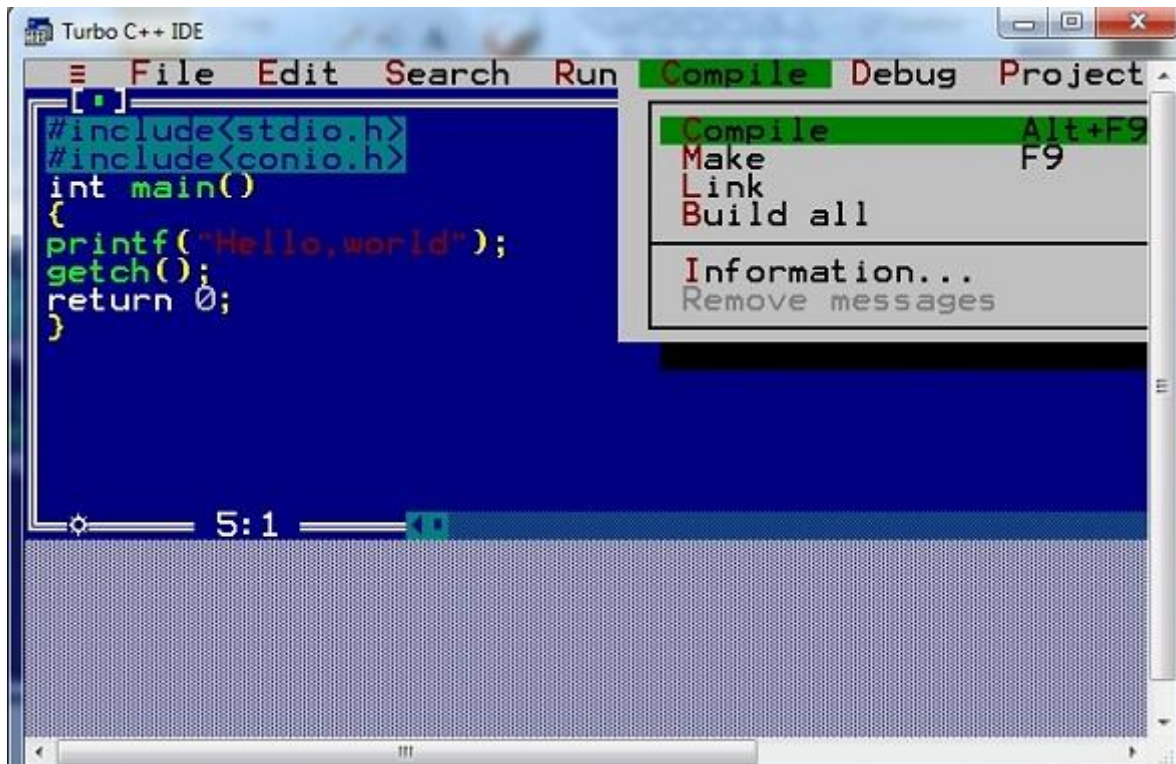


The screenshot shows the Turbo C++ IDE window. The menu bar includes File, Edit, Search, Run, Compile, Debug, and Project. The file name is NONAME00.CPP. The code in the editor is as follows:

```
#include<stdio.h>
#include<conio.h>
int main()
{
printf("Hello,world");
getch();
return 0;
}
```

The status bar at the bottom shows the cursor is at line 5, column 1.

Step 3 : Click on compile or press Alt+f9 to compile the code



The screenshot shows the Turbo C++ IDE window with the 'Compile' menu open. The code in the editor is the same as in the previous screenshot. The 'Compile' menu options are:

- Compile (Alt+F9)
- Make (F9)
- Link
- Build all
- Information...
- Remove messages

The status bar at the bottom shows the cursor is at line 5, column 1.

Step 4 : Click on Run or press Ctrl+f9 to run the code



Step 5 : Output



Difference between Compile and Run

You must be thinking why it is a 2 step process, first we compile the code and then we run the code. So, compilation is the process where the compiler checks whether the program is correct syntax wise, and there are no errors in the syntax.

When we run a compiled program, then it actually executes the statements inside the `main()` function.

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