How to install C

There are many compilers available for c and c++. You need to download any one. Here, we are going to use **Turbo C++**. It will work for both C and C++. To install the Turbo C software, you need to follow following steps.

1. Download Turbo C++

2. Create turboc directory inside c drive and extract the tc3.zip inside c:\turboc

3. Double click on install.exe file

4. Click on the tc application file located inside c:\TC\BIN to write the c program
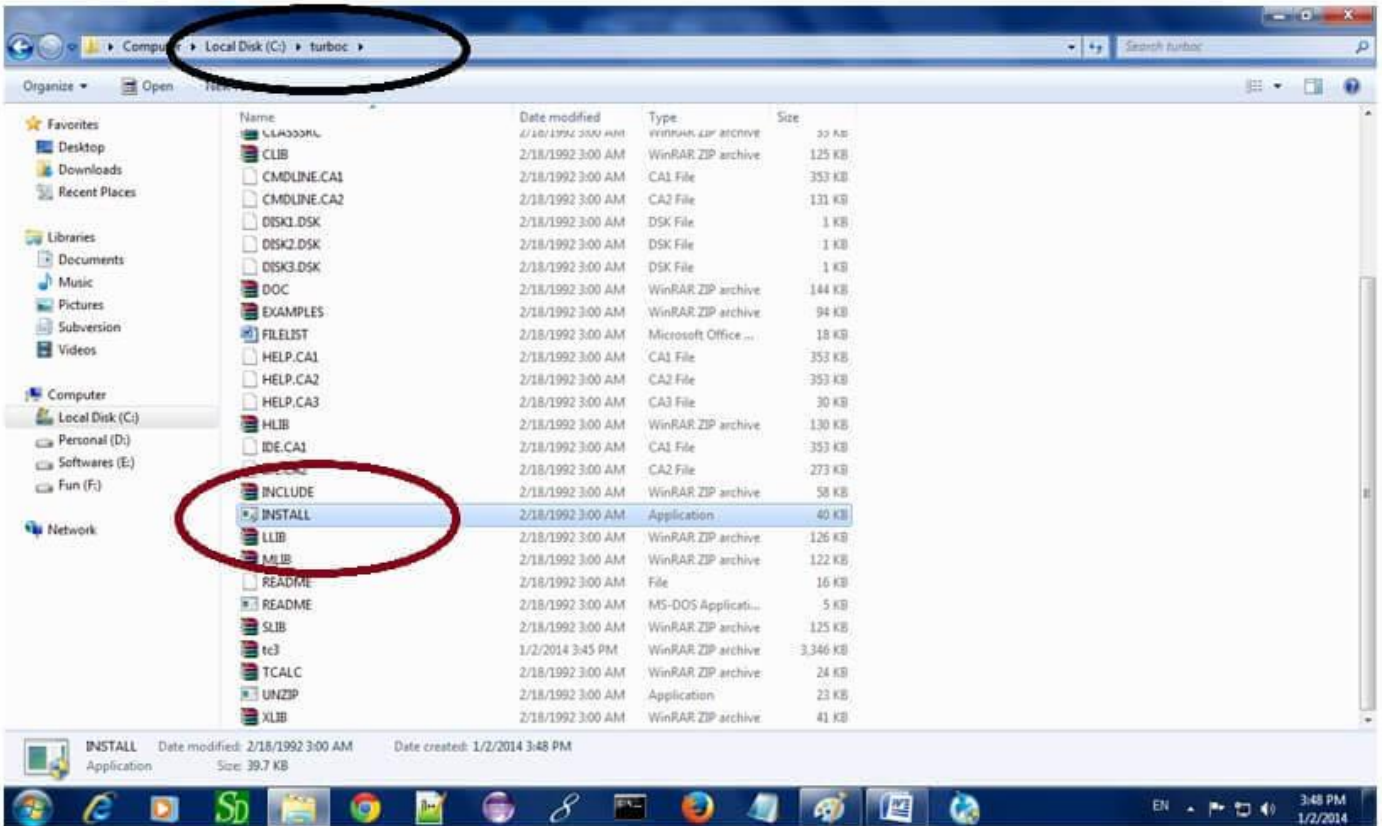
1) Download Turbo C++ software

You can download turbo c++ from many sites. download Turbo c++

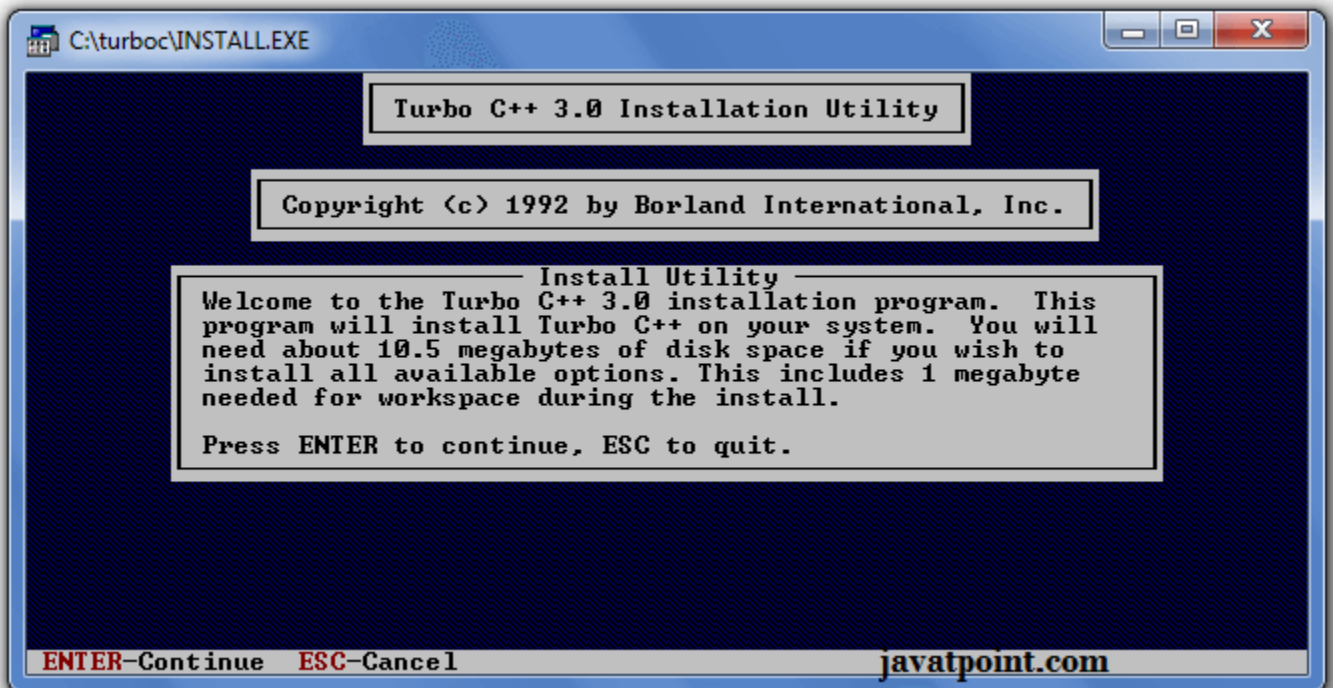## 2) Create turboc directory in c drive and extract the tc3.zip

Now, you need to create a new directory turboc inside the c: drive. Now extract the tc3.zip file in c:\truboc directory.

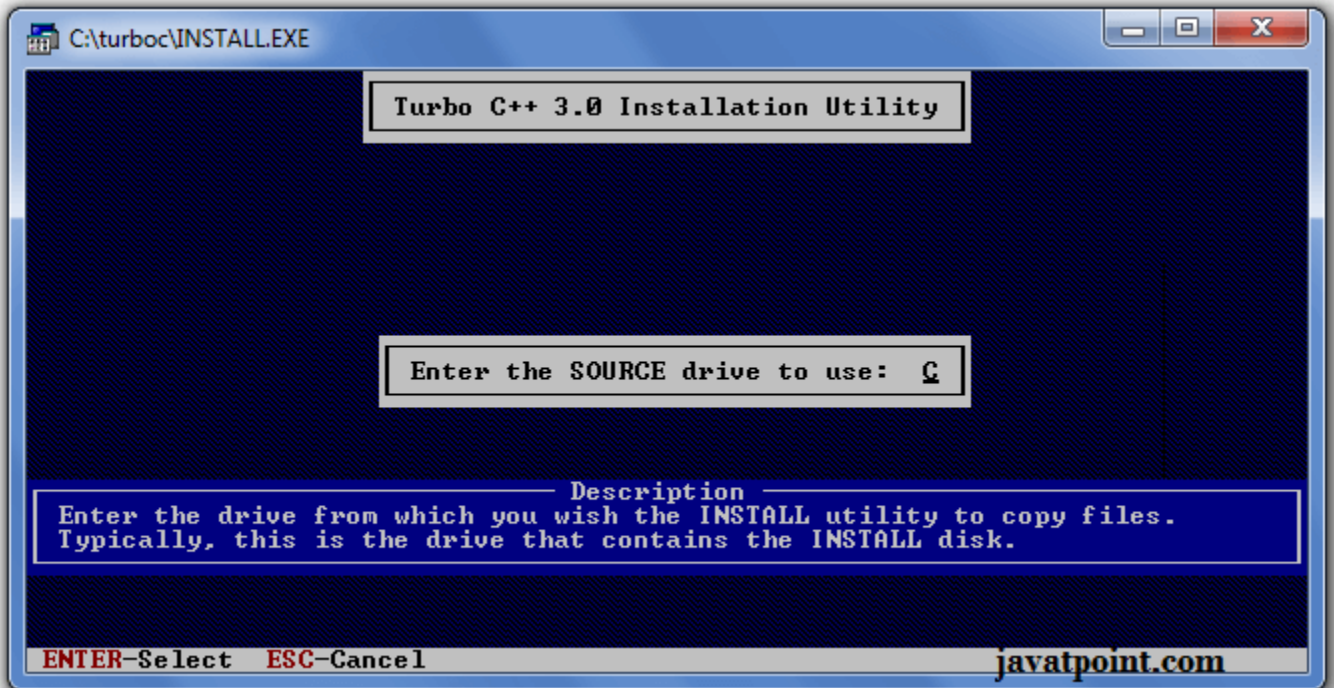## 3) Double click on the install.exe file and follow steps

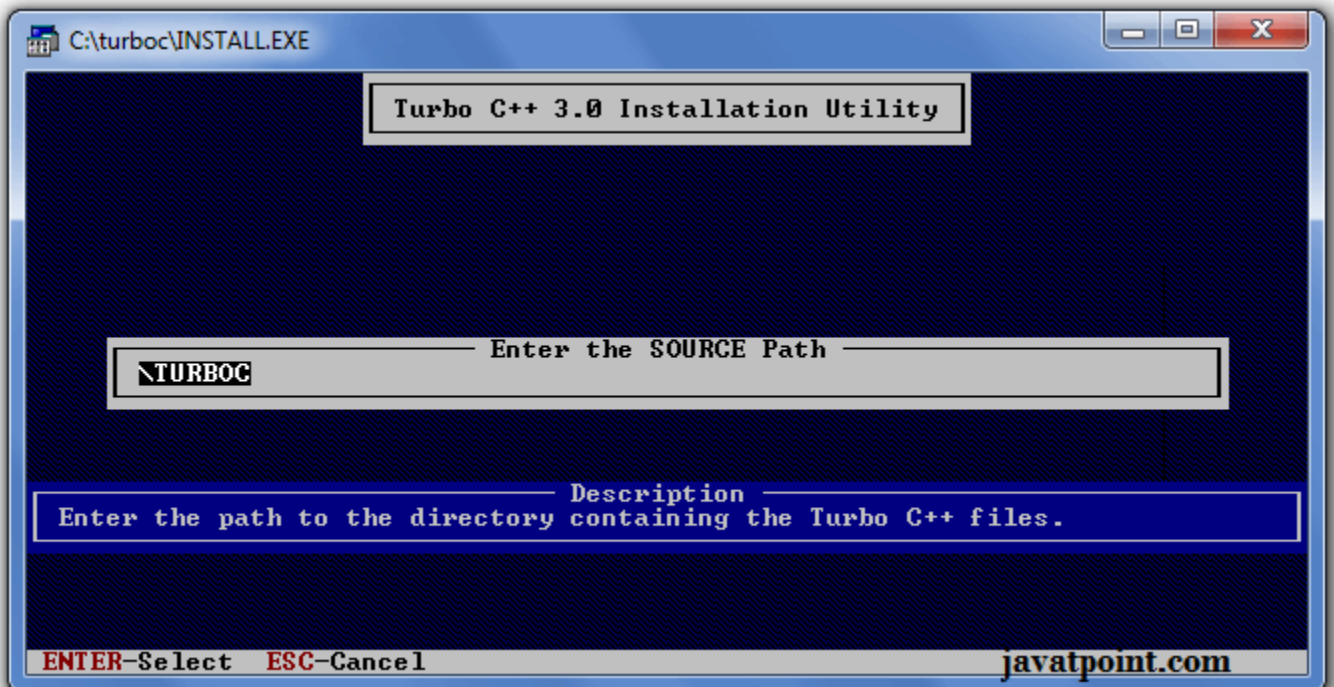Now, click on the install icon located inside the c:\turboc

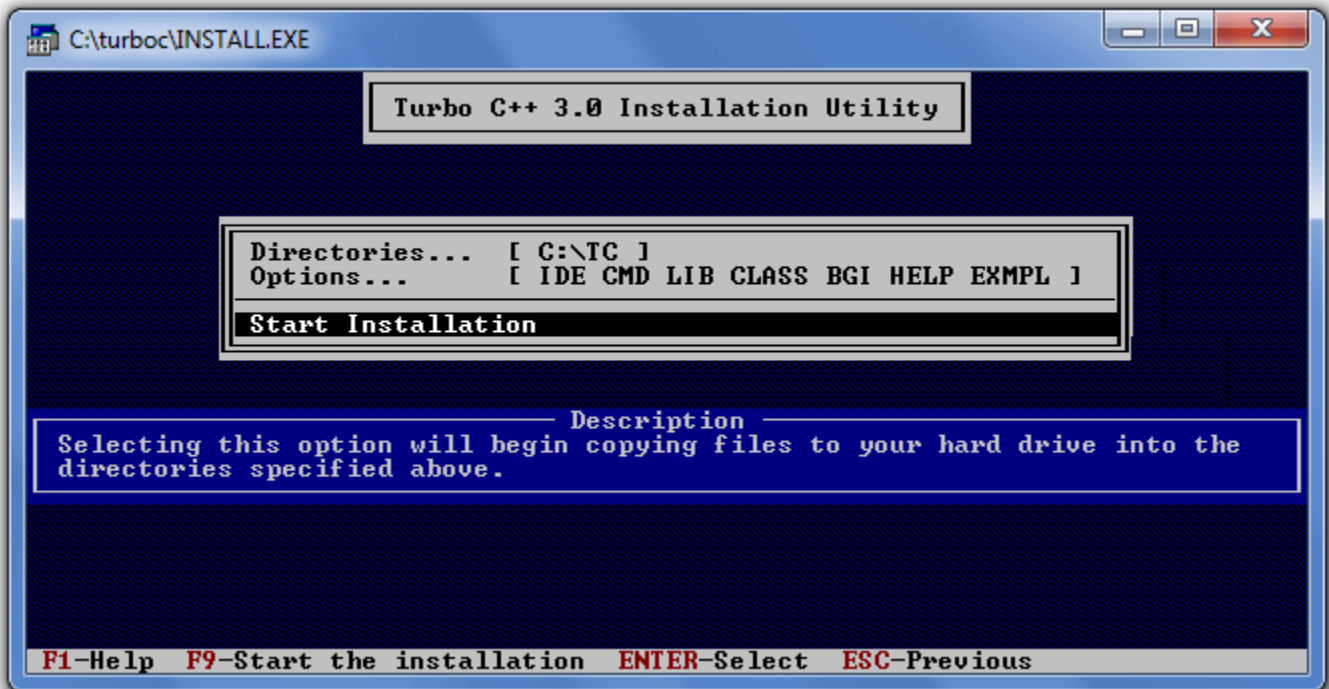It will ask you to install c or not, press enter to install.
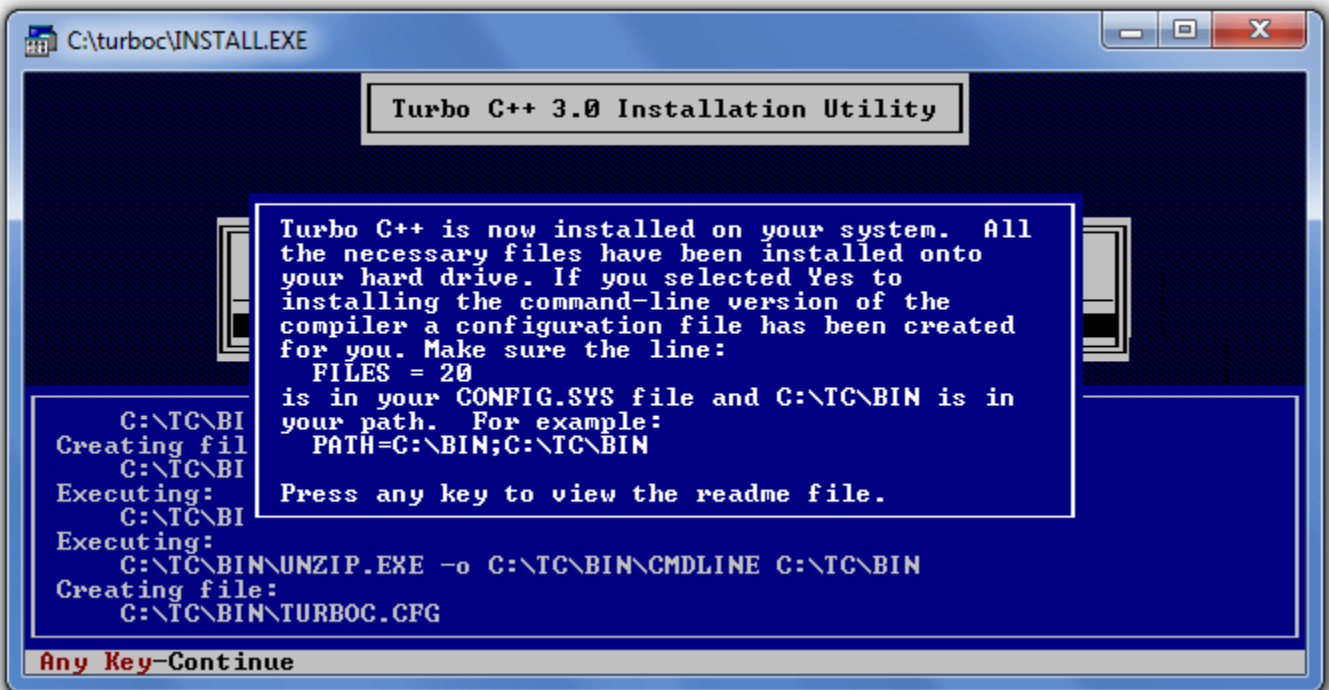
Change your drive to c, press c.


```
C:\turboc\INSTALL.EXE

        ┌────────────────────────────────────────┐
        │  Turbo C++ 3.0 Installation Utility     │
        └────────────────────────────────────────┘




              ┌──────────────────────────────────┐
              │ Enter the SOURCE drive to use:  C │
              └──────────────────────────────────┘


    ┌─────────────────────── Description ──────────────────────────┐
    │ Enter the drive from which you wish the INSTALL utility to copy files. │
    │ Typically, this is the drive that contains the INSTALL disk.           │
    └───────────────────────────────────────────────────────────────────────┘


  ENTER-Select   ESC-Cancel                          javatpoint.com
```

Press enter, it will look inside the c:\turboc directory for the required files.


```
C:\turboc\INSTALL.EXE

        ┌────────────────────────────────────────┐
        │  Turbo C++ 3.0 Installation Utility     │
        └────────────────────────────────────────┘




    ┌───────────── Enter the SOURCE Path ────────────────────────────┐
    │ \TURBOC                                                          │
    └─────────────────────────────────────────────────────────────────┘


    ┌─────────────────────── Description ──────────────────────────┐
    │ Enter the path to the directory containing the Turbo C++ files. │
    └─────────────────────────────────────────────────────────────────┘


  ENTER-Select   ESC-Cancel                          javatpoint.com
```

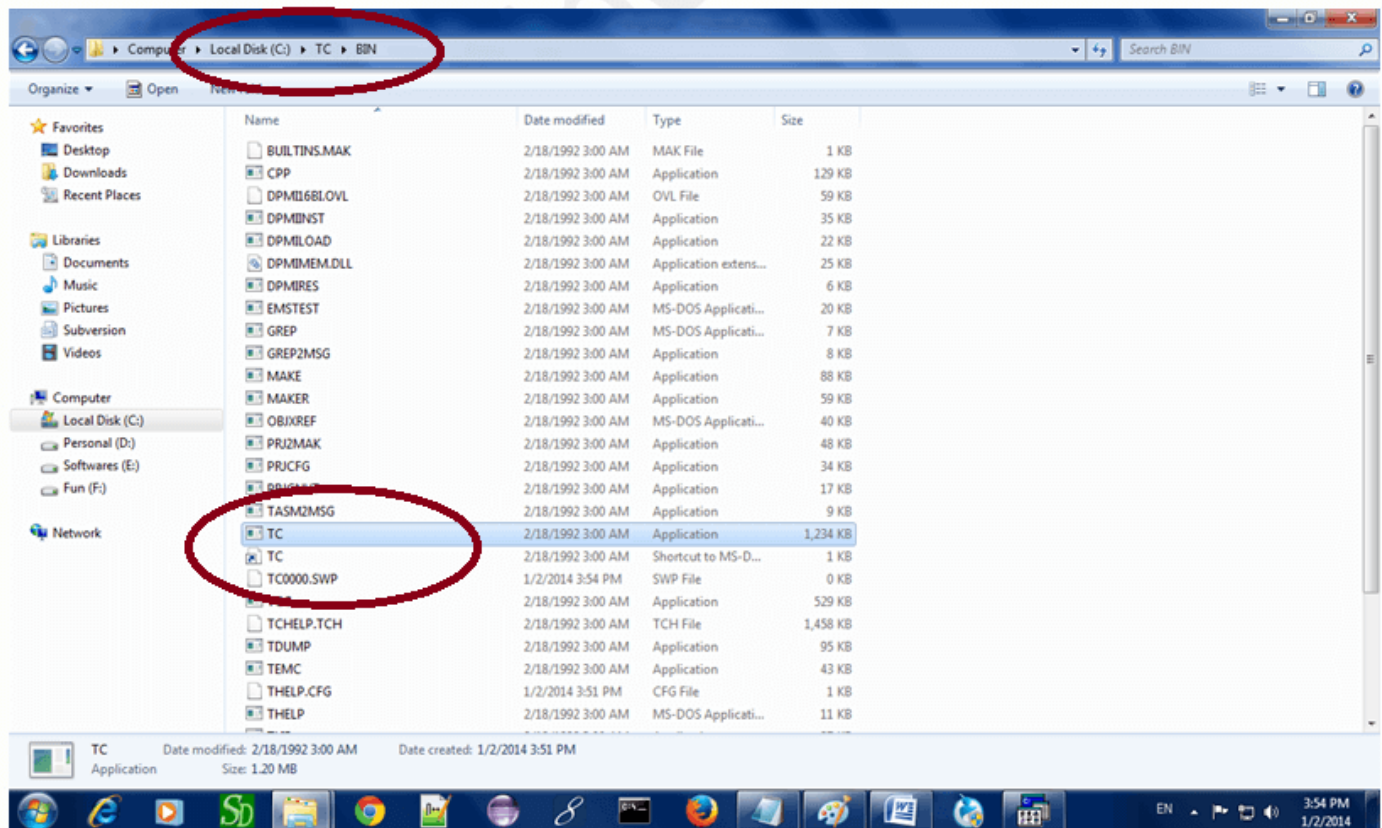Select Start installation by the down arrow key then press enter.

Now C is installed, press enter to read documentation or close the software.
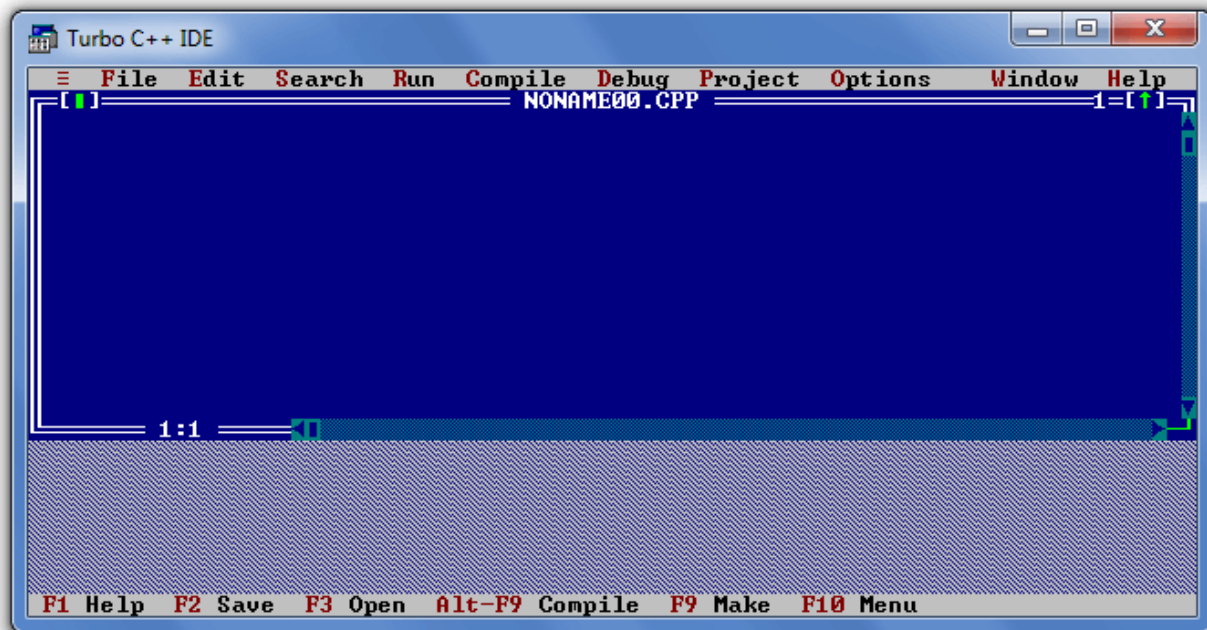
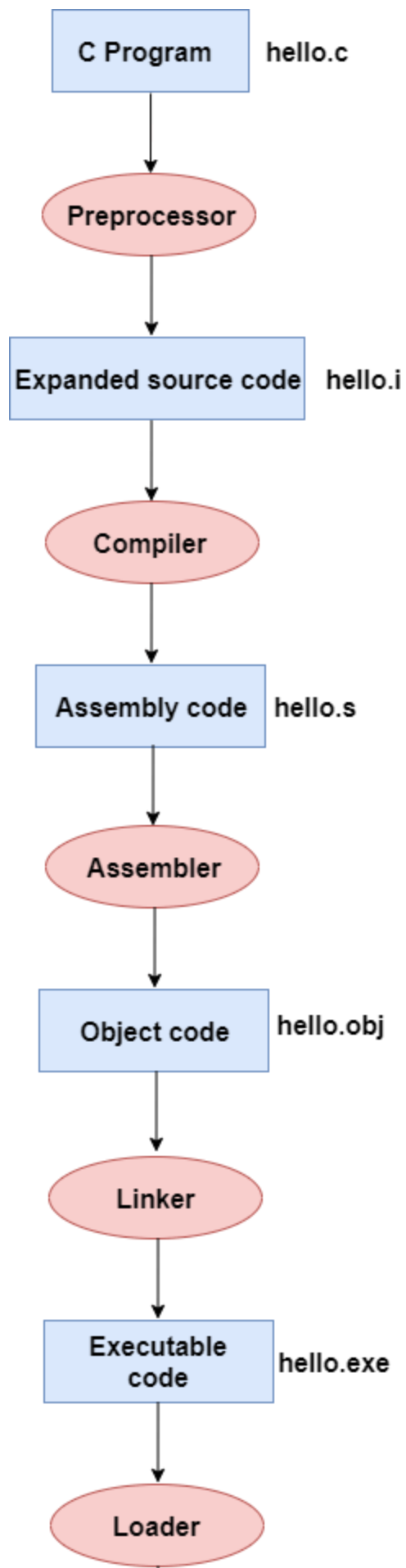## 4) Click on the tc application located inside c:\TC\BIN

Now double click on the tc icon located in c:\TC\BIN directory to write the c program.

In windows 7 or window 8, it will show a dialog block to ignore and close the application because fullscreen mode is not supported. Click on Ignore button.

Now it will showing following console.

≡ **File Edit Search Run Compile Debug Project Options Window Help**

[■]══════════════════ NONAME00.CPP ══════════════════1=[↑]

1:1

F1 Help F2 Save F3 Open Alt-F9 Compile F9 Make F10 Menu

```
C Program          hello.c
    |
    v
Preprocessor
    |
    v
Expanded source code   hello.i
    |
    v
Compiler
    |
    v
Assembly code      hello.s
    |
    v
Assembler
    |
    v
Object code        hello.obj
    |
    v
Linker
    |
    v
Executable         hello.exe
code
    |
    v
Loader
```

In the above flow diagram, the following steps are taken to execute a program:

- o Firstly, the input file, i.e., **hello.c,** is passed to the preprocessor, and the preprocessor converts the source code into expanded source code. The extension of the expanded source code would be **hello.i.**

- o The expanded source code is passed to the compiler, and the compiler converts this expanded source code into assembly code. The extension of the assembly code would be **hello.s.**

- o This assembly code is then sent to the assembler, which converts the assembly code into object code.

- o After the creation of an object code, the linker creates the executable file. The loader will then load the executable