# Installing and Running Code::Blocks in Windows

In Task 1A, we will be completing a programming exercise in C language using the Code::Blocks IDE. The following tutorial will explain how to install Code::Blocks on a windows machine and create and execute projects in windows.

Installing and Configuring Code::Blocks

1) You can download the Code::Blocks setup using this link.

2) Go to the given link and download the file named *codeblocks-16.01mingw-setup.exe.*

3) Once you have downloaded the setup, install it by running the .exe file.

4) After installation, open the Code::blocks software.

5) Go to Setting ---> Compiler. The compiler setting window will open.

6) Open the Toolchain executables tab.

7) Under the Compiler's installation directory, click on the button labeled Auto-detect which will automatically detect the compiler MinGW which was downloaded with the setup.

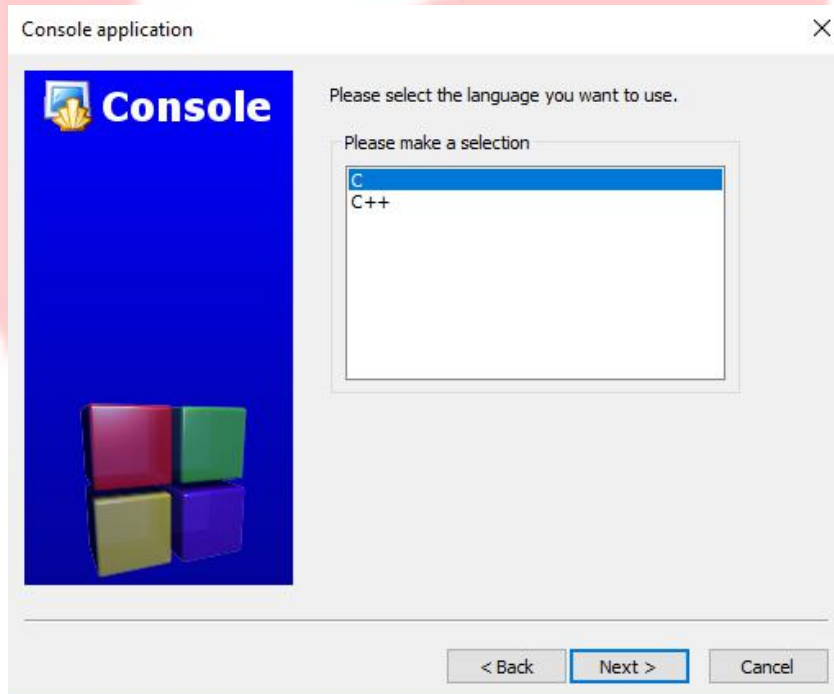8) Click on OK. Code::Blocks is fully configured now.

Creating a New Project

1) Go to File --> New --> Project. The New from Template window will open. Select Console application and click on Go.
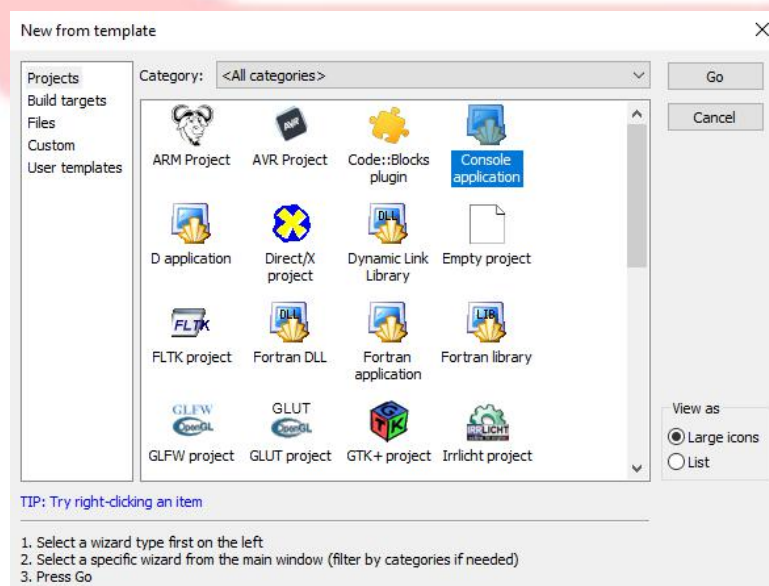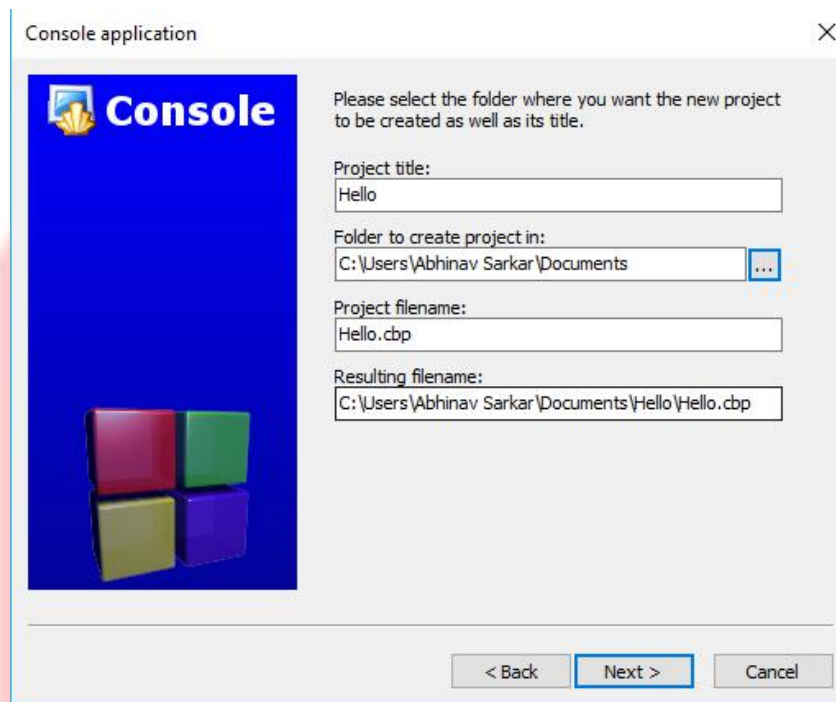
2) Click Next in the new window.
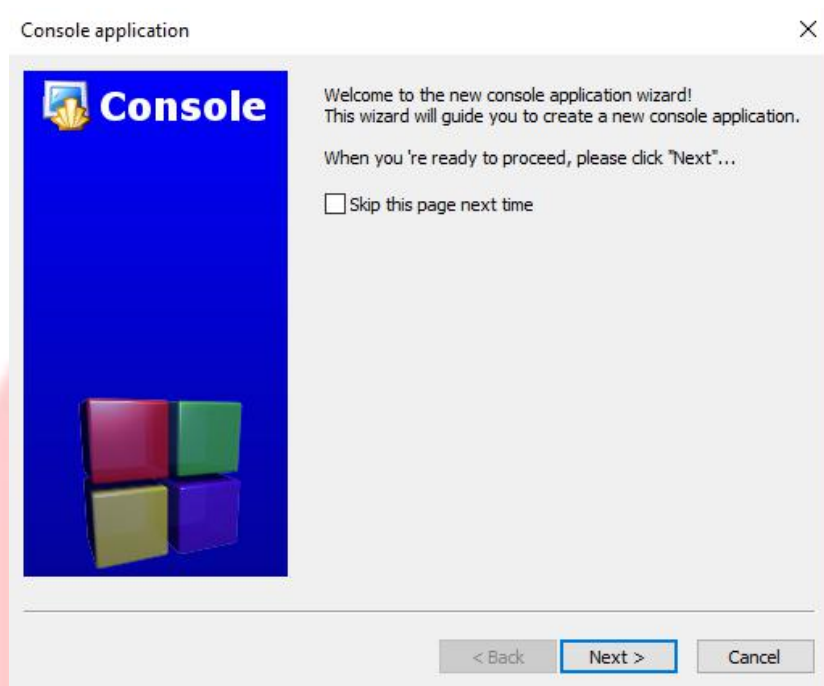
3) Select C in the next window and click Next.

4) In the next window, enter Name of project and the path to save the project file. Click Next.
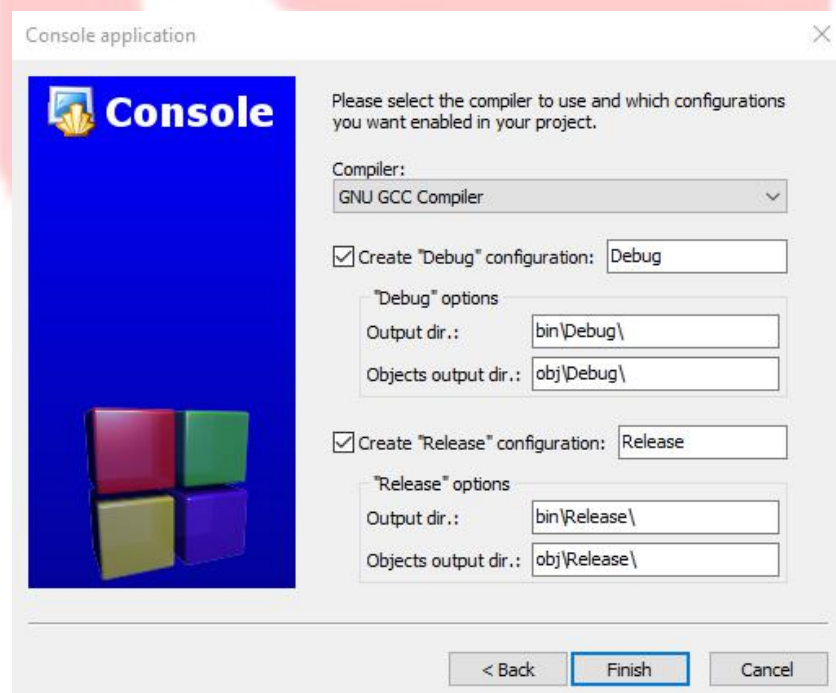
5) Finally Select GNU GCC compiler in the next window and click Finish.

6) You should see the following kind of window. Click on Sources on the Left Side and then Double Click on main.c to open the file.
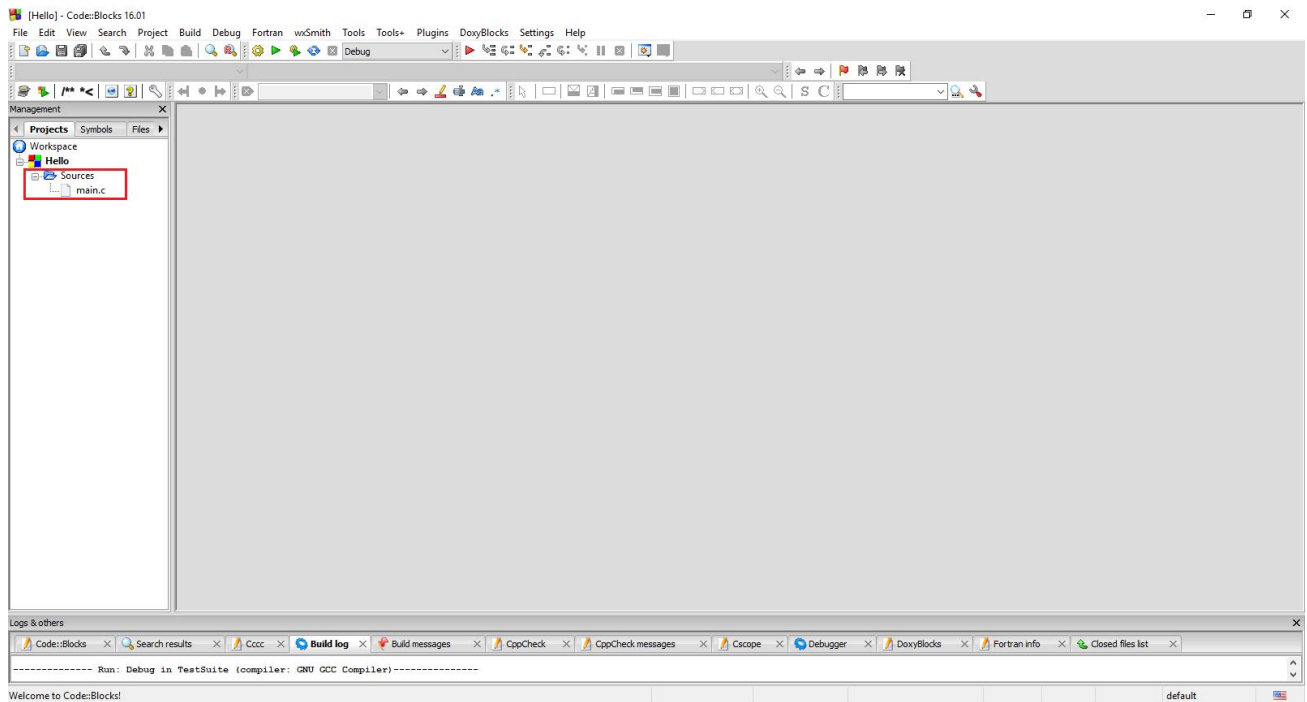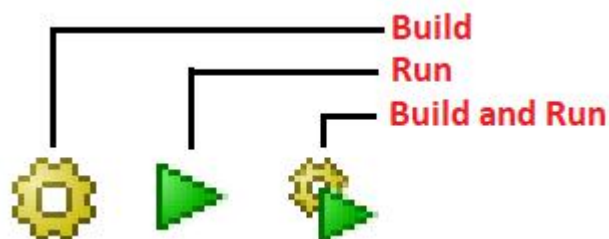

7) The default "Hello World" code will show up in main.c file

```c
#include <stdio.h>
#include <stdlib.h>

int main()
{
    printf("Hello world!\n");
    return 0;
}
```

8) Above the code you will see the following three buttons:

9) Click on Build and Run. Your program will start building . Once build is completed, it will run and show you the following output window:
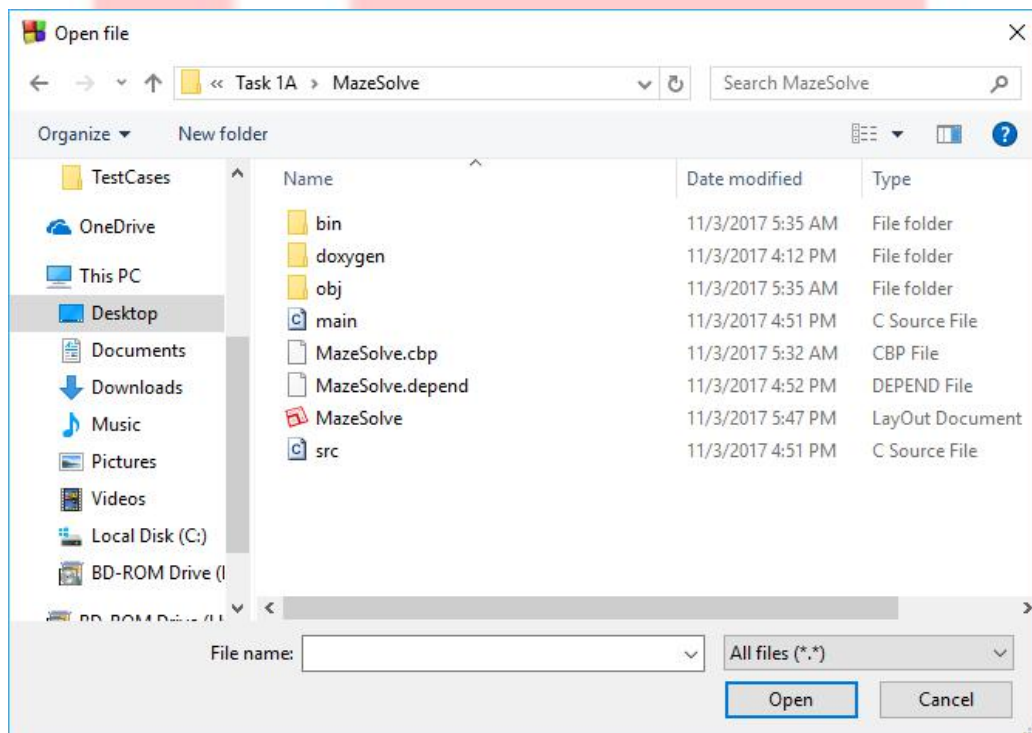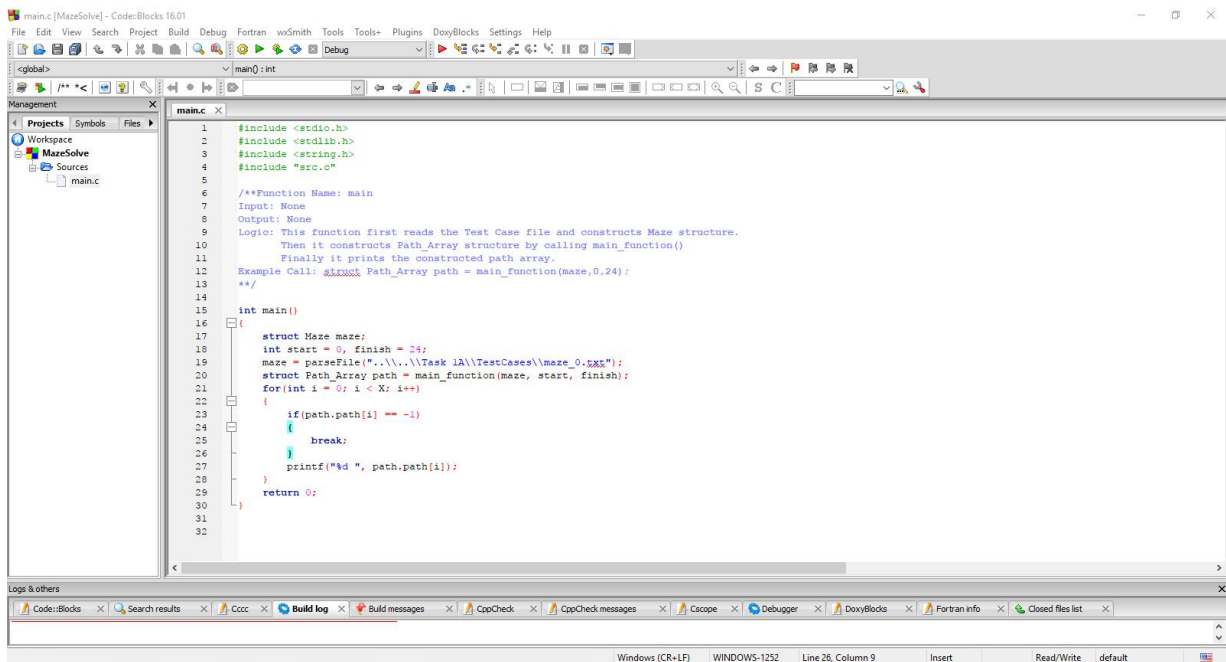
Congratulations. You have built and run your first Code::Blocks project.

Opening an Existing Project

1) Go to File --> Open. In the Open file window, browse to Task 1A/MazeSolve folder.

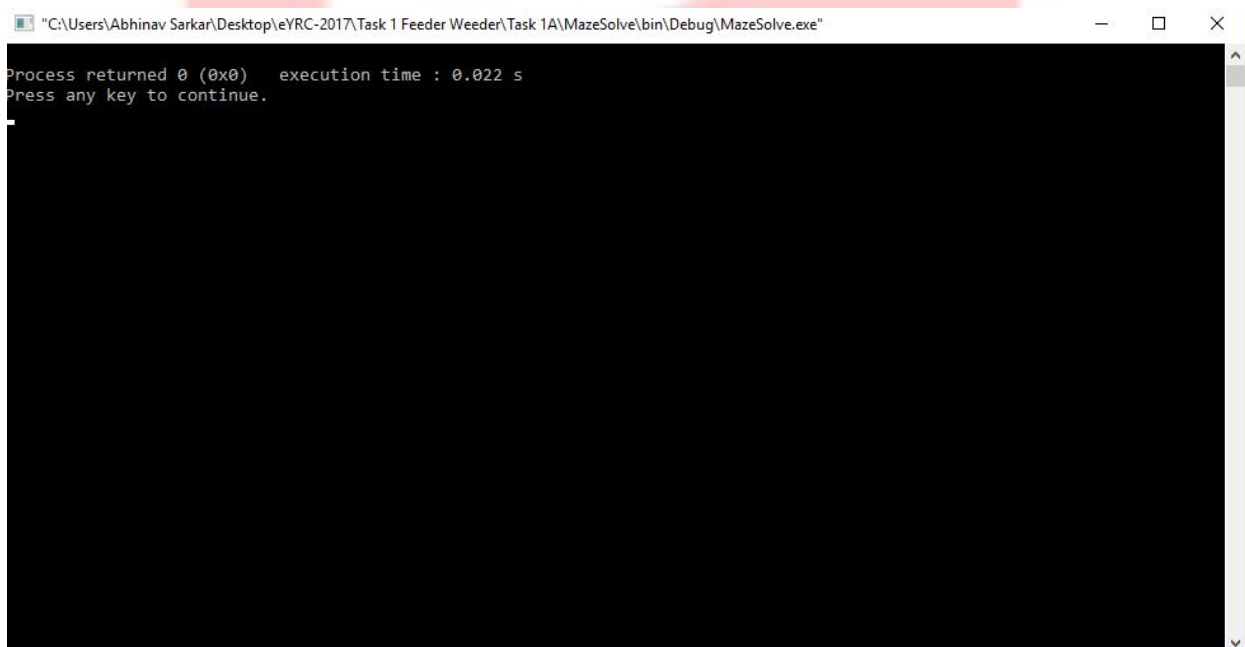2) Select the MazeSolve.cbp file and click on Open. You should be able to see the following code:

3) Click on Run to execute the program. The program should execute successfully.