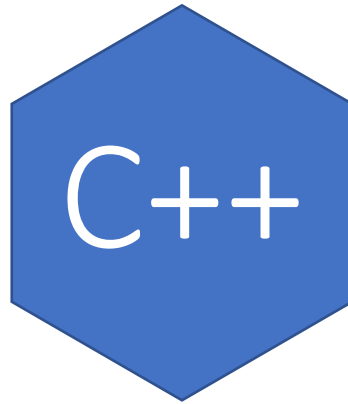


# Computer Programming with





Presented By Awesome Ken

# Outline

- Computer Programming
- C++ Programming language
- First Program
- First Program in detail



# Computer Programming

- A **Computer Program** is a set of instructions that tell a computer how to perform a specified task.
  - The process of writing the set of instructions to tell the computer how to perform the specified task is called **Programming**
- 
- 



# Programming Language

- Invented by [Bjarne Stroustrup](#) in 1979 at Bell Labs.
- It was initially called C with classes and later came to be called C++ in 1983.
- It is a super set of C programming language, providing support for **Object Oriented Programming**
- It is a **strongly typed** and a **compiled** language
- It can be used to create a wide variety of application and across different field.
- Eg. Operating systems, games, game engines, programming robots, rockets etc.



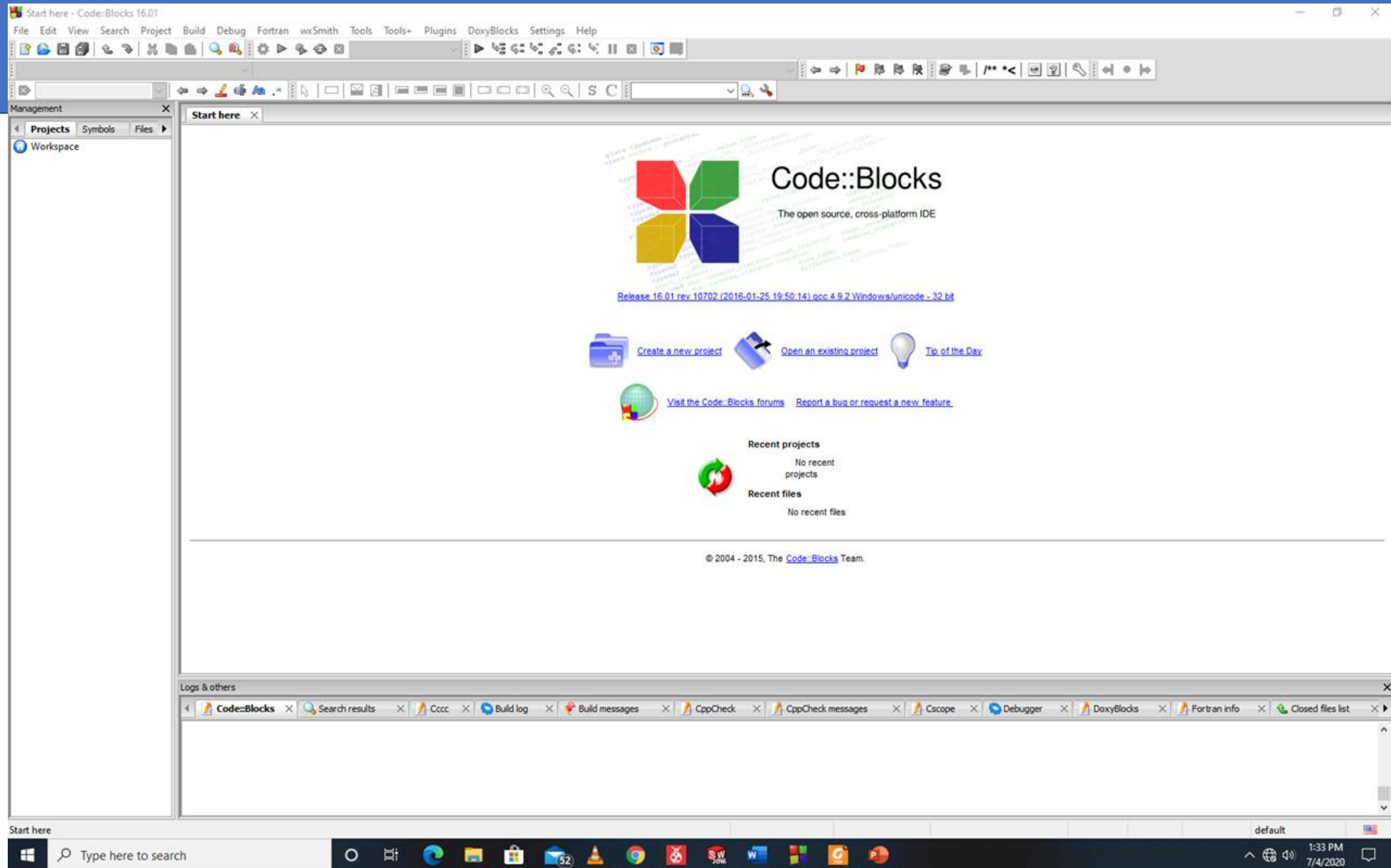
## Programming Tools

- A computer (of course )
- A text editor eg. **Notepad**, **Notepad++**, **VS Code**
- A compiler for C++ eg. **Mingw**, **Cygwin**
- There are 3<sup>rd</sup> party software that integrate both text editor and compiler along other useful products that make lives easier.
- These are called **Integrated Development Environments** (IDE's)
- Eg. Visual Studio, Eclipse, Netbeans, Clion, CodeBlocks etc.

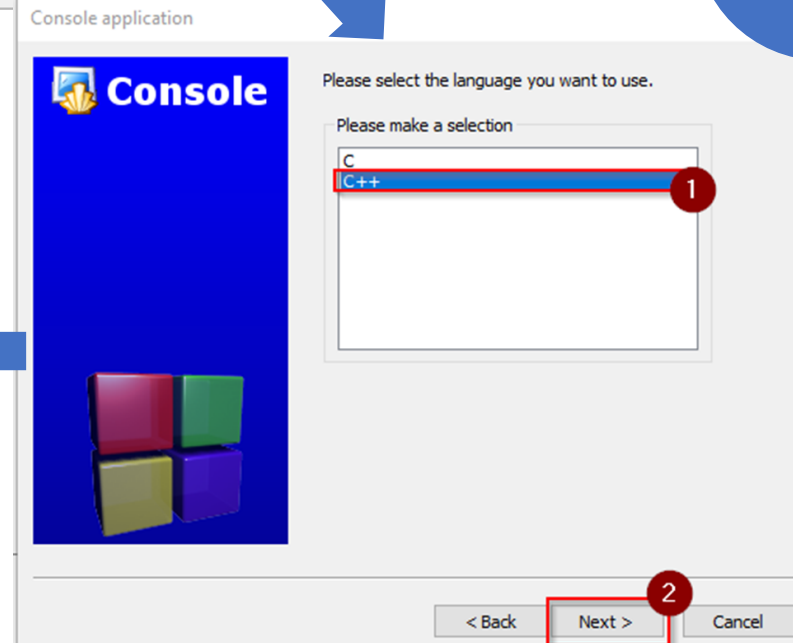
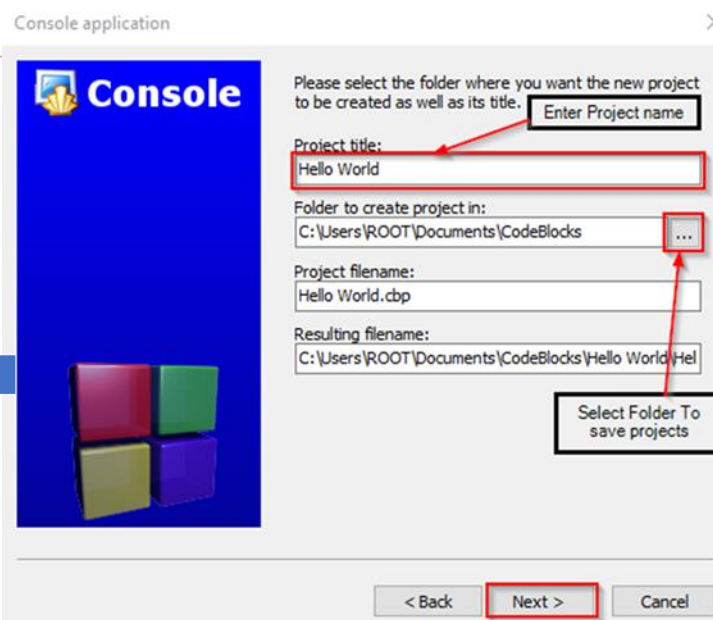
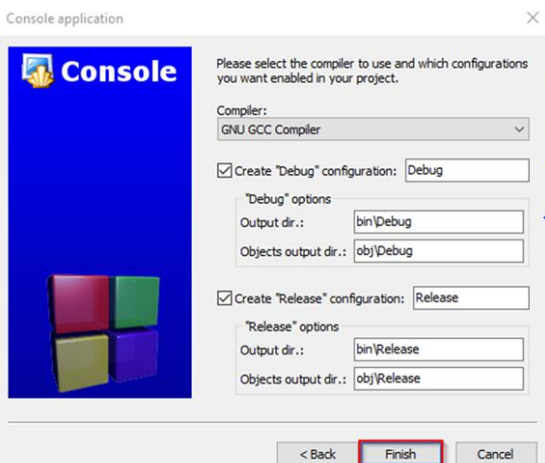
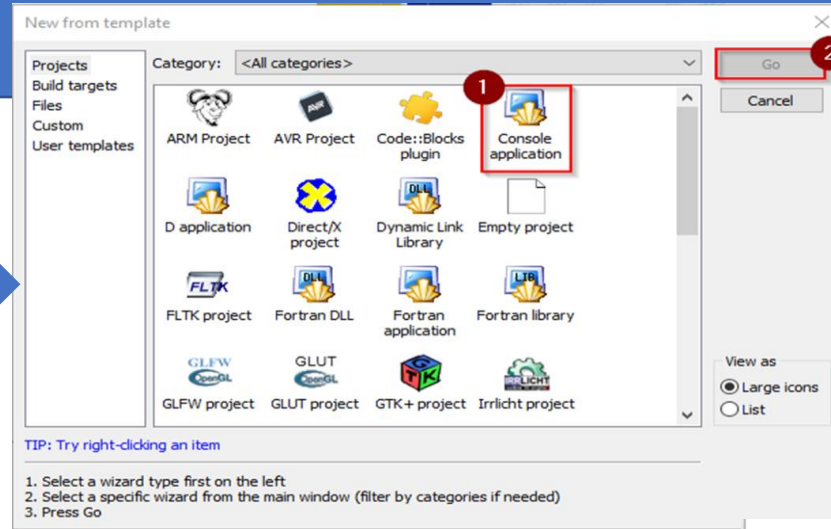
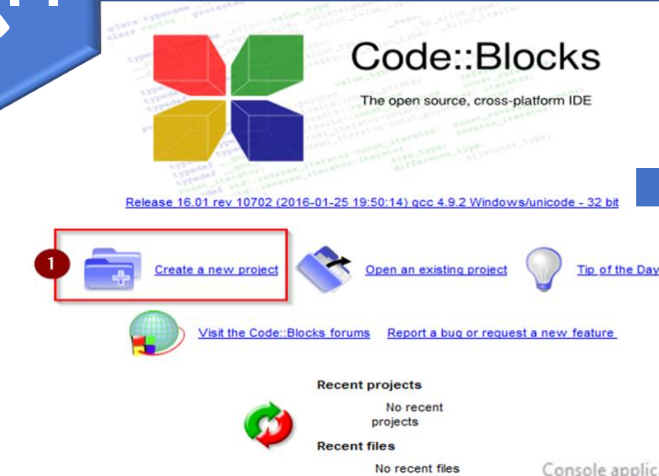


Lets get our hands dirty

# Code::Blocks IDE



# Creating a Project In CodeBlocks





# First Program



```
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      cout << "Hello world!" << endl;
8      return 0;
9  }
10
```

\*main.cpp X

```
1
2  #include <iostream>
3
4  using namespace std;
5
6  int main()
7  {
8      cout << "Hello world!" << endl;
9
10     return 0;
11 }
12
13
```

include iostream file

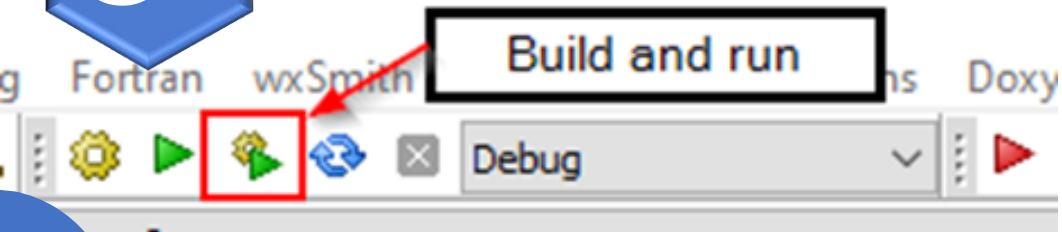
we will be using components in th std namespace

print out Hello World! to the screen.

return to the operating system

Main block

# Build and Run



"C:\Users\ROOT\Documents\CodeBlocks\Hello World\bin\Debug\Hello World.exe"

Hello world!

Process returned 0 (0x0) execution time : 0.031 s  
Press any key to continue.

"C:\Users\ROOT\Documents\CodeBlocks\Hello World\bin\Debug\Hello World.exe"

Hello world!

Process returned 0 (0x0) execution time : 0.031 s  
Press any key to continue.

Output



Thank You