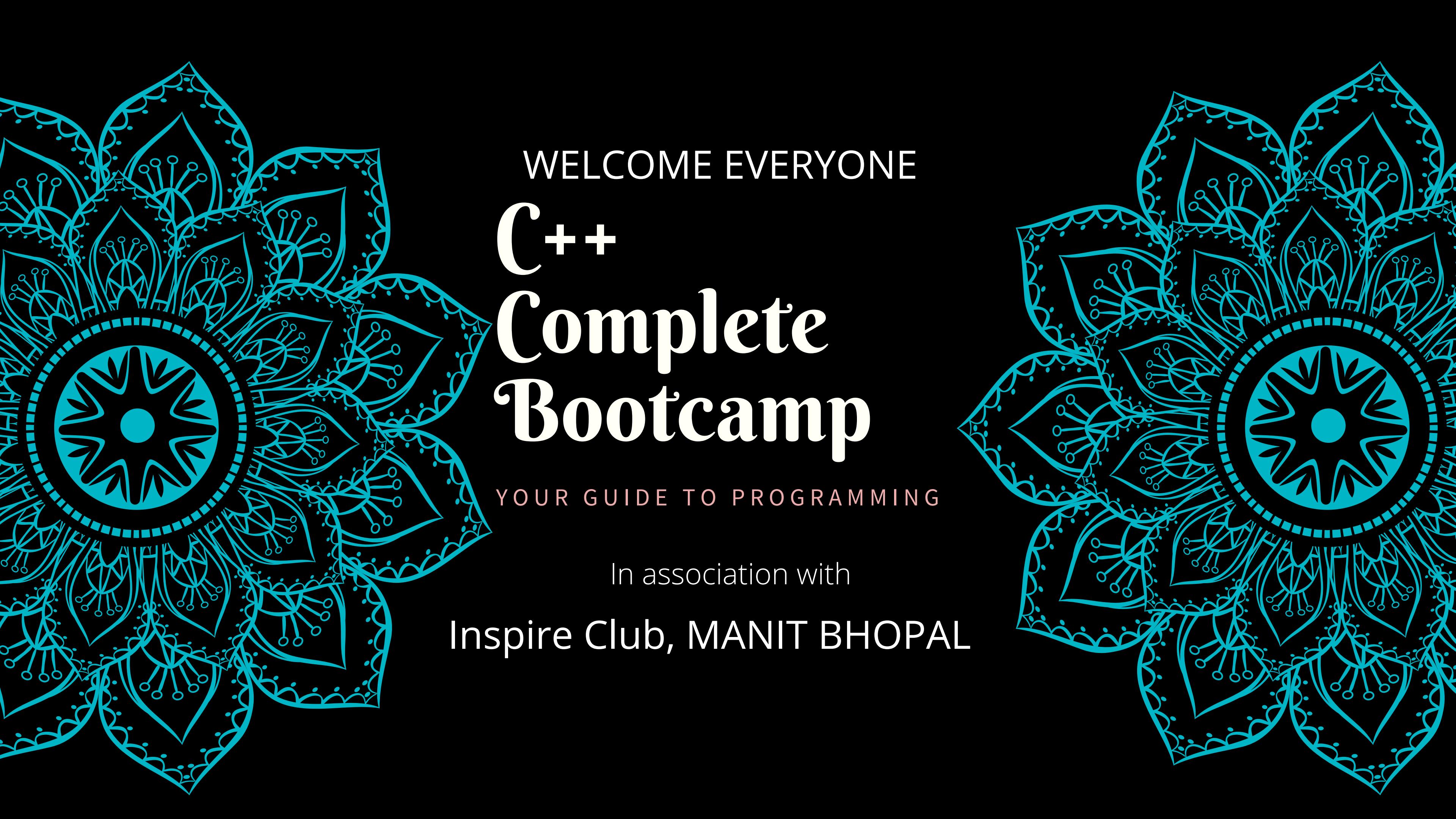


Hello CPPBuddies !



WELCOME EVERYONE

C++

Complete Bootcamp

YOUR GUIDE TO PROGRAMMING

In association with

Inspire Club, MANIT BHOPAL

INSPIRE CLUB, MANIT BHOPAL

D
BRINGS

C++

Complete
Bootcamp



Learn How To Apply Problem Solving Skills

RECAP

Agenda

COURSE
DETAILS

BENEFITS
APPLICATIONS

ABOUT
ME

YOUR
THE
BENEFITS

FAQ
Q&A

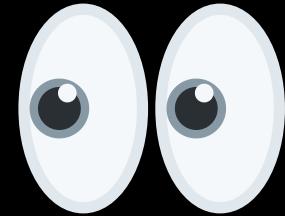
SYSTEM
REQUIREMENTS

FEATURES
OF C++
STUDY
TECHNIQUES

WHY C++



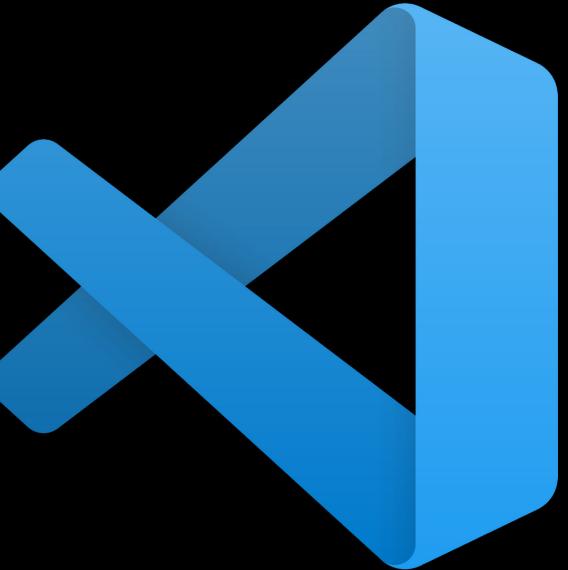
Key Takeaways:



1. Write Notes
2. Keep Water Bottle
3. Practice Hands-On
4. Recall & Revise
5. Apply Pomodoro Technique
6. Apply Feynman Technique

System Requirements

1. Visual Studio Code (Text-Editor)
2. MinGW (C/C++ Build Tools & Compiler)
3. **Git-Bash (Linux Terminal for Windows)**
4. A Laptop or Desktop Computer



Computer

Any computer would do

MinGW Software

Provides C/C++ compiler and all tools and libraries

Any Text Editor

To write and modify text files (source code files)

What does C++
language really
need to run?

let us,
install
&
setup.

HELLO WORLD

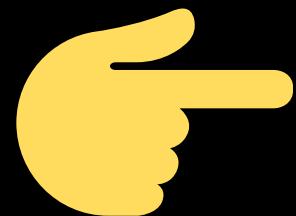
Let us check our installed software

1. open git-bash on VS Code

2. type this

```
$ g++ -v
```

```
$ git --version
```



3. Turn real-time protection off
for your antivirus software



Let us create a **GitHub** Repository why ?



to store **code files** & all the **course materials**

Go To: <https://www.github.com/>

Sign Up: use your gmail account

Create Repo: make this public



```
C++ hello.cpp X

C++ hello.cpp
1 #include <iostream>
2 using namespace std;
3
4 int main(){
5     cout << "Hello World\n";
6     return 0;
7 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
AKASH MAJI@Akash320 MINGW64 ~/Desktop/CPP
$ g++ -v
Using built-in specs.
COLLECT_GCC=C:\MinGW\bin\g++.exe
COLLECT_LTO_WRAPPER=c:/mingw/bin/../libexec/gcc
Target: mingw32
Configured with: ../src/gcc-6.3.0/configure --b
mpc=/mingw --with-isl=/mingw --prefix=/mingw --
jc,obj-c++,fortran,ada --with-pkgversion='MinG
isable-sjlj-exceptions --enable-version-specific
ibstdcxx-debug --with-tune=generic --enable-lib
Thread model: win32
gcc version 6.3.0 (MinGW.org GCC-6.3.0-1)
```

```
AKASH MAJI@Akash320 MINGW64 ~/Desktop/CPP
$ git --version
git version 2.30.1.windows.1
```

```
AKASH MAJI@Akash320 MINGW64 ~/Desktop/CPP
$ []
```

Hello World Program

Basic Program
for
Beginners



<===== check g++ compiler version

How to compile
\$ g++ main.cpp -o main.exe

How to execute
\$./main.exe

<===== check git version

End Part 1