

C Language

# Setup Environment



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# Agenda

- ① IDE
- ② Download and Install
- ③ Verify Installation

IDE

Integrated Development Environment

~~TurboC3~~

← 16 bit 1980's

① Code Blocks

② vs code

- Code editor
- Build tools
- Debugging tools

# Download and Install

## Code blocks

- [codeblocks.org/downloads](https://codeblocks.org/downloads)
  - Download Binary release
  - For windows
    - download 4<sup>th</sup> link if you have 64 bit OS.
- codeblocks-20.03mingw-setup.exe
- Run downloaded installer

## vs code (code editor)

→ Download vs code

[code.visualstudio.com](https://code.visualstudio.com)

→ Install vs code by running downloaded file

## mingw

→ Search for mingw compiler

→ [sourceforge.net/projects/mingw/](https://sourceforge.net/projects/mingw/)

→ Download and install.

## Extensions

→ C/C++ intellisense Microsoft

It provides language support in VS code

→ Code Runner Jun Han

It helps in running code

File → preferences → settings

→ Extensions

→ Run code configuration

Run in Terminal



Change color theme

→ File → preferences → settings  
search for Color Theme

# Verify Installation

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

```
int main()
```

```
{
```

```
    int a, b, c;
```

```
    printf("Enter two numbers");
```

```
    scanf("%d %d", &a, &b);
```

```
    c = a + b;
```

```
    printf("sum is %d", c);
```

```
    return 0;
```

```
}
```