**1. What did you need to do to install the language?**

Since we're using VS Code, here’s the step-by-step installation process for C++:

* Install the C++ Compiler:
  + For Windows: Download and install MinGW from its official website. During installation, select the packages for mingw32-gcc-g++ (C++ compiler). After installation, add the MinGW bin folder to the system's PATH environment variable.
* Set Up Visual Studio Code:
  + Download and install VS Code from the official website if you haven't already.
  + Install the C/C++ extension by Microsoft:
    - Open VS Code, click on the Extensions icon on the sidebar (or press Ctrl+Shift+X).
    - Search for "C/C++" and install the extension provided by Microsoft.

**2. Does this language come with a recommended programming environment?**

C++ does not have a specific recommended IDE, but Visual Studio Code is an excellent choice due to its flexibility and lightweight nature. You’ll use the C/C++ extension for IntelliSense and debugging.

**3. How do you run programs in that language?**

In VS Code, after writing the program, you can follow these steps:

1. **Write the C++ code**:
   * Create a new file, and name it hello\_world.cpp.
   * Write your C++ code inside this file.
2. **Set up the build task** (to compile C++ programs):
   * Press Ctrl+Shift+B and choose C++: g++.exe build active file.
   * VS Code will automatically create a tasks.json file, where you can configure how the program is built.
3. **Compile and run the program**:
   * To compile the program, you can press Ctrl+Shift+B. This will use the build task created earlier.
   * To run the compiled program, open the terminal in VS Code (`Ctrl+``) and type the following to execute the program: ./hello\_world

Alternatively, if you installed the Code Runner extension:

* After writing the code, simply press Ctrl+Alt+N to run the program directly from within VS Code.

**4. How do you write comments in your language?**

In C++, you can write comments in two ways:

* **Single-line comments**: Use // at the beginning of the line.

// This is a single-line comment

* **Multi-line comments**: Enclose the comment block between /\* and \*/.

/\* This is a

multi-line comment \*/