1. Choose between a) `vscode` b) `visual studio`
   i. `vscode` :- *lightweight*, *(i'd say faster & simpler)*,
      a. *You can do basically anything, thanks to extensions*
   ii. `visual studio` :- *big, doesn't look cool, strong, nice debugger, (but lacks good extensions)*
      a. *only good for big projects*
      b. *i wouldn't use before my project has hundreds of files*
   iii. `c++ compiler` :-
      a. *Linux:- GNU C / C++ Compilers*
      b. *Mac:- Clang / LLVM*
      c. *Intel:- Intel C++ Compiler*
      d. *IBM:- IBM C++ Compiler*
      e. *Texas Instruments:- Their own C++ Compiler duuh* 🤓
         - *They make calculators haha*
      f. *Windows:- Microsoft Visual C++ compiler/package*
         - *comes with two thingies*
         - `visual studio`
         - `visual studio buiild tools`
         - *both are separate & can co-exist in a windows/OS/system*
         - `vscode` *can use either of those two.*
         - `vscode` *can even use* `msys64 mingw-w64`
      g. *On windows, you don't* **"Have To"** *grab* `visual studio` / `build tools`
         - *there is one other way*
         - *i.e.*
         - `msys64 mingw-w64`
         - *https://www.msys2.org/*
      h. *if you plan to have both* `vscode` & `visual studio`
         - *you wouldn't need to install* `visual studio build tools` *separately*
         - *instead while installing* `visual studio` *grab* `C++ Development` + `Windows SDK` *~*

2. Grabbing `visual studio`
   i. *https://visualstudio.microsoft.com/downloads/*
   ii. *you will see* `visual studio` *@ the top part of the webpage*
   iii. *choose* `C++ Development` , `Windows SDK` *when installing*
      a. *this will install the* `C++ Compiler & Stuffs` , *windows people calls it* `Microsoft Visual C++ compiler/package`
      b. *you don't need* `visual studio build tools` *simultanously along with it*

3. Grabbing `vscode`
   i. *https://code.visualstudio.com/download*
   ii. *now we need* `C++ Compiler`
      a. `option-1` :- *grab the* `build tools` *from the end of this page*
         - *https://visualstudio.microsoft.com/downloads/?q=build+tools*
      b. `option-2` :- *the msys64 --> mingw-w64 [package]*
         - *it contains the [gnu] c++ compiler, built for windows* 😄
         - *https://www.msys2.org/*
      c. `option-3` :- *grabbing* `visual studio` *with* `C++ Dev` + `Windows SDK`
   iii. *now we need some* `vscode extensions` 😛
      a. *i.e. extra features made by the community*
         - *remember:- these features can be really really powerfull* 😌
      b. *extension* *ms-vscode.cmake-tools*
      c. *extension* *twxs.cmake*
      d. *extension* *ms-vscode.cpptools*
      e. *restart VSCode*