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| **Resource Type** | **Link** | **Recommendation** | **Comments** |
| Online C Tutorial | <https://www.cplusplus.com/doc/tutorial/introduction/> | Strongly recommended | Good detailed  Can be used as quick reference  Its quick run environment is broken |
| Online C++ Tutorial  Examples  Online quick program run | <https://www.programiz.com/cpp-programming>  <https://www.programiz.com/cpp-programming/online-compiler/> | Strongly recommended | Good notes keeping style  Good examples with explanation  Good quick online compiler for instant program running (though replit IDE is even better with more features)  Advanced topics are not covered |
| Online IDE | <https://replit.com/> | Good one | No installation required  Just need internet and browser  Level – Basic to Advanced  Create free account and keep your programs saved  Student can share program link with teacher to see his program and fix errors  Option to run GitHub repos  Supports multiple programming languages |
| Online IDE | <https://www.onlinegdb.com/> | Good one without any need for account. Just open and start programming | Also supports debugging |
| Code Visualization | <https://pythontutor.com/cpp.html#mode=edit> | Strongly recommended to use any time/every time | Visualizes how code is run and how variables and functions behave during execution in the memory |
| Flow Chart + Other UML diagrams | <https://www.lucidchart.com/> | Excellent online tool BUT FREE VERSION HAS LIMIATION OF ONLY FEW DRAWINGS. Still worth to have account and use when required | HAS LIMIATION OF ONLY FEW DRAWINGS |
| Flow Chart + Other UML diagrams | <https://draw.io> | Good alternate of Lucidchart with free access. Drawings are saved in the linked online cloud storage (Google Drive, Dropbox, etc.) |  |