### **Offline Compilers**

* [CodeBlocks IDE](http://www.codeblocks.org/home)
* Installation in [YouTube](https://www.youtube.com/watch?v=aS5_jrIbKmA&ab_channel=ProgrammingKnowledge)
* See [here](https://www.fosshub.com/Code-Blocks.html?dwl=codeblocks-20.03-setup.exe) for download (IDE + Compiler)

### **Online Compilers**

* http://repl.it/
* [geeksforgeeks](https://ide.geeksforgeeks.org/)
* [tutorialspoint](https://www.tutorialspoint.com/compile_cpp_online.php)
* [codechef](https://www.codechef.com/ide)
* [cpp.sh](http://cpp.sh/)
* [Ideone](https://ideone.com/)

Syllabus:

Introduction to C programming, problem solving, Input and output operations, decision control structure, loop control structure, arrays, strings, etc., pointers, arrays, structures, functions, file operations, optional topics:memory management and debugging tools.

References:

* *1. The C Programming Language by Kernighan and Ritchie*
* *2. Practical C Programming by Steve Oualline*
* *3.* [***https://www.tutorialspoint.com/compile\_c\_online.php***](https://www.tutorialspoint.com/compile_c_online.php)
* *4.* [***https://www.codesdope.com/c-introduction/***](https://www.codesdope.com/c-introduction/)
* *5.* [***http://www.cprogramming.com/tutorial/c-tutorial.html***](http://www.cprogramming.com/tutorial/c-tutorial.html)

Remark: There are many online resources and tutorials available, and the ones mentioned above are a random sample; use anything that you find helpful.

Grading Policy:

Lab exercises: 15 marks

Quizzes: 30 marks (3x10, best 3 out of 4)

Lab exams: 55 marks (15+20+20)