

Introduction to Programming in C

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This C module of the course 'Scientific Computing and Programming' is based on several on-line available resources. The following schedule is given as a guideline to go through the material:

Go to <https://www.w3schools.in/c-tutorial/> and try to follow this schedule:

Day 1 : overview of C language, C language fundamentals, data input and output
Day 2 : decision control structures, loops, functions
Day 3 : predecessors and header files, arrays and strings, pointers
Day 4 : pointers, structure and union, file handling
Day 5 : other and exercises

You can find exercises at:

<https://www.w3schools.in/c-programming/practice-tests/>

and more information can be found via:

- use the linux man pages like 'man getline'
- <https://www.programiz.com/c-programming/c-pointers>
- <https://www.youtube.com/watch?v=mw1qsMieK5c>
- <https://www.gnu.org/software/gnu-c-manual/gnu-c-manual.pdf>

After this schedule a programming exercise exam will be scheduled to grade this module.

Good luck!

Mark Somers.