



Introduction to Programming in C

SWAYAM Prabha Course Code: **R12**

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COURSE OUTLINE	<p>This is a course in programming in C. No prior programming experience is assumed; however, mathematical maturity at the level of a second year science or engineering undergraduate is assumed. We emphasize solving problems using the language, and introduce standard programming techniques like alternation, iteration and recursion. We will brie y glimpse the basics of software engineering practices like modularization, commenting, and naming conventions which help in collaborating and programming in teams.</p> <p>Course Outline</p> <ol style="list-style-type: none">1. Introduction. Straight-Line Code. Variables, Operators, Expressions and Conditionals.2. Loops.3. Functions.4. One-Dimensional Arrays and Pointers.5. Recursion.6. Multi-dimensional Arrays, Linked Lists.7. Operating on Files.8. Organizing C projects, working with multiple source directories, makeles.