

Course Outline



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Email: training@ptr.co.uk Web: www.ptr.co.uk

Introduction To Fortran Programming

Course Description:

This Hands on Course provides a comprehensive introduction to Fortran Programming, and builds a solid foundation of skills to progress on to the more advanced courses.

Delegates should have experience of programming in any language. Experience with the command line interface to the host computer.

Pre-requisites:

Delegates should understand the principles of programming.

Course Content:

- **Brief history of the Fortran language (Fortran 77, 90, 95, 2003, 2008)**
- **Integer, real and character data types**
- **Computer arithmetic and precision**
- **Arrays**
- **Whole array processing**
- **Dynamic arrays**
- **I/O and file handling**
- **Intrinsic and user defined functions**

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- **The remaining Fortran intrinsic data types, character, logical and complex**
- **Control structures**
- **Introduction to modules**
- **Subroutines**
- **Modules for defining numeric precision (kind type parameters)**
- **Modules for global data**
- **Introduction to derived (user define) types**
- **Introduction to pointers**

Course Duration: 5 Days