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education

course description

C programming on NonStop systems (U4144S)

course overview

You will get a solid introduction to the hp NonStop™ Server implementation of ANSI-standard C programming in this 3-day course. You will learn C language syntax and ANSI-standard I/O routines and apply your knowledge through lab exercises. From basic syntax to advanced techniques, the course provides an intensive look at the C language. Prior C knowledge is essential.

audience

- Programmers
- Programmer analysts
- System analysts
- System programmers

benefits to you

- C variables, constants, operators, arrays, structures, expressions, and statements
- If-Then-Else, Loop, and Switch (case) constructs
- Functions
- Pointers
- Routines
- C memory models and libraries
- Program and compiler directives
- ANSI-standard I/O

pre-requisites

- Concepts and Facilities
- Familiarity with C programming syntax or TAL programming experience

next steps

C Programming in the Guardian Environment

to order

You can order this course online at <http://education.hp.com>. At the site, select a country, then choose "registration" or "Book a course" and fill out the online registration form.

why hp education?

- Experienced and best-in-the-field HP instructors
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- Hands-on practice
- Focus on job-specific skills
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detailed course outline: C programming on NonStop systems (U4144S)

module	key topics
C language overview	<ul style="list-style-type: none">• Distinguishing between types, operators, and expressions• Control flow• Writing functions using appropriate program structure• Using the inspect software product with C language programs• Lab exercise: become familiar with basic "C" code and constructs• Lab exercise: use standard "C" I/O functions and procedure calls
advanced C	<ul style="list-style-type: none">• Using pointers• Pass pointers and arrays as parameters• Computing math with pointers• Using various types of pointers• Using argument count and argument vector parameters• Using STRUCTS and UNIONS• Lab exercise: reinforce your ability to use pointers
the NonStop server C environment	<ul style="list-style-type: none">• C memory models• Usage of compiler pragmas• Use of BIND utility• Library headers• Variable argument handling and jumping from functions• ANSI file I/O and alternate file I/O• Preventive debugging• Lab exercise: use ANSI file I/O for file access

for more information

For more information on HP Education Services, contact any of our worldwide offices or visit our worldwide web site on the internet at <http://education.hp.com>

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