

1.	Record Nr.	UNIPARTHENOE000002557
	Titolo	Computer techniques for electromagnetics / edited by R. Mittra
	Pubbl/distr/stampa	New York [etc.] : Hemisphere Publishing Corporation, 1987c
	ISBN	0-89116-820-6
	Descrizione fisica	XIII, 403 p. : ill. ; 24 cm
	Collana	A summa book
	Disciplina	621.381
	Collocazione	621.381/179
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910165026503321
	Autore	Detmer Richard C.
	Titolo	Introduction to 80X86 assembly language and computer architecture / / Richard C. Detmer, Middle Tennessee State University
	Pubbl/distr/stampa	Burlington, Massachusetts : , : Jones & Bartlett Learning, , 2015 ©2015
	ISBN	1-284-03613-8 1-284-03612-X
	Edizione	[Third edition.]
	Descrizione fisica	1 online resource (406 pages) : illustrations, tables
	Disciplina	004.2/2
	Soggetti	Computer architecture Assembly languages (Electronic computers) Intel 80x86 series microprocessors
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Includes index.
	Nota di contenuto	Representing data in a computer -- Parts of a computer system --

Elements of assembly language -- Basic instructions -- Branching and looping -- Procedures -- Bit manipulation -- String operations -- Floating point operations.

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## Sommario/riassunto

A Revised and Updated Edition of the Authoritative Text This revised and updated Third Edition of the classic text guides students through assembly language using a hands-on approach, supporting future computing professionals with the basics they need to understand the mechanics and function of the computer's inner workings. Through using real instruction sets to write real assembly language programs, students will become acquainted with the basics of computer architecture. 80x86 Assembly Language and Computer Architecture covers the Intel 80x86 using the powerful tools provided by Microsoft Visual Studio, including its 32- and 64-bit assemblers, its versatile debugger, and its ability to link assembly language and C/C++ program segments. The text also includes multiple examples of how individual 80x86 instructions execute, as well as complete programs using these instructions. Hands-on exercises reinforce key concepts and problem-solving skills. Updated to be compatible with Visual Studio 2012, and incorporating over a hundred new exercises, 80x86 Assembly Language and Computer Architecture: Third Edition is accessible and clear enough for beginning students while providing coverage of a rich set of 80x86 instructions and their use in simple assembly language programs. The text will prepare students to program effectively at any level. Key features of the fully revised and updated Third Edition include:

- Updated to be used with Visual Studio 2012, while remaining compatible with earlier versions
- Over 100 new exercises and programming exercises
- Improved, clearer layout with easy-to-read illustrations
- The same clear and accessibly writing style as previous editions
- Full suite of ancillary materials, including PowerPoint lecture outlines, Test Bank, and answer keys
- Suitable as a stand-alone text in an assembly language course or as a supplement in a computer architecture course

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