

Addition of Two 16-bit Numbers

In Hindi

```
1 //Addition of two 16-bit numbers
2 //1st number = 2040H
3 //2nd number = 3020H
4 MOV DPTR, #2040H // DPTR = 140H & DPH = #20H
5 MOV A, #20H
6 MOV B, #30H
7 ADD A, B
8 MOV DPTR, A
9 MOV A, B
10 ADDC A, DPTR
11 MOV DPTR, A
12 END
```

8051 Microcontroller
Assembly Language Programming

8051 Assembly Code To Add Two Numbers

Siddappa N.Byrareddy

8051 Assembly Code To Add Two Numbers:

C and the 8051 Thomas W. Schultz, Thomas Schultz, 2004 This totally reworked book combines two previous books with material on networking. It is a complete guide to programming and interfacing the 8051 microcontroller family devices for embedded applications. Microcontroller Applications Ritula Thakur, 2025-06-01 **Ciarcia's Circuit Cellar** Steve Ciarcia, 1985

Microcontrollers Atul P. Godse, Dr. Deepali A. Godse, 2020-12-01 The book is written for an undergraduate course on the 8051 and MSP430 microcontrollers. It provides comprehensive coverage of the hardware and software aspects of 8051 and MSP430 microcontrollers. The book is divided into two parts. The first part focuses on 8051 microcontroller. It teaches you the 8051 architecture, instruction set, programming, 8051 and interfacing 8051 with external memory. It explains timers, counters, serial port, interrupts of 8051 and their programming. It also describes the interfacing 8051 with data converters, ADC and DAC, keyboards, LCDs, LEDs, stepper motors, and DC motor interfacing. The second part focuses on MSP430 microcontroller. It teaches you the low power features, architecture, instruction set, programming, digital I/O and on-chip peripherals of MSP430. It describes how to use Code Composer Studio for assembly and C programming. It also describes the interfacing MSP430 with external memory, LCDs, LED modules, wired and wireless sensor networks. *The 8051 Microcontroller* I. Scott MacKenzie, Raphael C.-W. Phan, 2007 Well known in this discipline to be the most concise yet adequate treatment of the subject matter, it provides just enough detail in a direct exposition of the 8051 microcontroller's internal hardware components. This book provides an introduction to microcontrollers, a hardware summary and an instruction set summary. It covers timer operation, serial port operation, interrupt operation, assembly language programming, 8051 C programming, program structure and design, and tools and techniques for program development. For microprocessor programmers, electronic engineering specialists, computer scientists, or electrical engineers.

Byte, 1992-10 **Embedded Applications**, 1995 **EDN**, 1990 **Programming and Customizing the 8051 Microcontroller** Michael Predko, Myke Predko, 1999 This tutorial disk package is unique in providing you with a complete understanding of the 8051 chip compatibles along with all the information needed to design and debug tailor-made applications using Programming. *Customizing the 8051 Microcontroller* details the features of the 8051 and demonstrates how to use these embedded chips to access and control many different devices. This book shows you what happens within the 8051 when an instruction is executed and it demonstrates how to interface 8051s with external devices. *Embedded Controller Applications Handbook*, 1994 *1995 Product Line Databooks: Embedded applications (2 v.)* Intel Corporation, 1993 **EDN, Electrical Design News**, 2007 Programming and Customizing the PIC Microcontroller Myke Predko, 2007-05-22

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