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[2]

How to write interrupt-driven code for an 8051 using any of C compiler?

What is the difference between Data Flow Graph (DFG) and Conditional Data Flow Graph (CDFG) model? Explain their significance in embedded system design.

Explain each of the followings:

ii) Compilers

i) Assemblers iii) Linkers

iv) Loaders

v) Debuggers

Explain different design issues, challenges, and trends in embedded system.

How to access the serial port on an 8051 using C Code?

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What is the difference between Finite State Machine (FSM) and Hierarchical Concurrent Finite State Machine model (HCFSM)2/Explain it with examples.

Explain Round-Robin scheduling, Priority-based scheduling, and Deadline-Driven scheduling.

b) What are the three basic types of memory allocation are offered by 'C'? Explain in detail.

How to use the Linux GNU binary utilities commands: objcopy and objdump? Explain it with examples.

Explain the following 'C'-storage classes with examples:

- ii) register
- iii) static
- iv) extern

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