

8086 Interview Questions And Answers Guide.



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8086 Job Interview Preparation Guide.

Question # 1

Which technology is used in Bluetooth for avoiding interference?

Answer:-

Frequency hopping is the technology used in Bluetooth.

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Question # 2

Which microprocessor accepts the program written for 8086 without any changes?

Answer:-

8088 is that processor.
80186

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Question # 3

What does EU do?

Answer:-

Basically,8086 is divided into two part. 1.BIU. 2.EU Execution Unit(EU)Fetch the intruction from Queue(memory(6 byte) in BIU.) and execute it.

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Question # 4

Which Flags can be set or reset by the programmer and also used to control the operation of the processor?

Answer:-

Trace Flag,
Interrupt Flag,
Direction Flag.

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Question # 5

Which Segment is used to store interrupt and subroutine return address registers?

Answer:-

Stack Segment in segment register is used to store interrupt and subroutine return address registers

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Question # 6

What is meant by cross-compiler?

Answer:-

A program runs on one machine and executes on another is called as cross-compiler
Programs which compile on One Machine and Execute on Another machine is called cross compiler

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Question # 7

Give examples for Micro controller?

Answer:-

Z80, Intel MSC51 &96, Motorola are the best examples of Microcontroller.

The answer is:If we make the program in one operating system(os-xp) & if we want to execute/runs on another operating system(os-linux),than we can do it by



cross-compiler.

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Question # 8

Logic calculations are done in which type of registers?

Answer:-

Accumulator is the register in which Arithmetic and Logic calculations are done.

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Question # 9

What is the position of the Stack Pointer after the POP instruction?

Answer:-

The address line is 02 greater than the earlier value.

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Question # 10

What is the position of the Stack Pointer after the PUSH instruction?

Answer:-

The address line is 02 less than the earlier value.

Decrement by 2.

[Read More Answers.](#)

Question # 11

Which is the tool used to connect the user and the computer?

Answer:-

Interpreter is the tool used to connect the user and the tool.

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Question # 12

What is internal structure of 8086?

Answer:-

8086 is having 2 different units i.e. BIU(Bus Interface Unit) and EU(Execution Unit), these two units work synchronously.

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Question # 13

Where 8086 mostly used & tell application of 8086?

Answer:-

8086 is used for general purpose like it is used in traffic signals for control purpose .It's also used for small applications like for calculator,etc scientific calculators & small arithmetic operations

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Question # 14

Why memory width is not 16-bit? In stead of having 8-bit (same as 8085)?

Answer:-

memory size of 8086 is 1MB memory size of 8085 is 64KB $2^{(addresslines)}=size\ of\ memory\ (bytes)$ so adress lines of 8086 are 20 and 8085 is 16

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Question # 15

What is the difference between 8085 and 8086 in microprocessor?

Answer:-

8086 has a special concept called as memory segmentation.It allows parallel processing, while 8085 does not.

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Question # 16

how many types memory mgt can divided?

Answer:-

they are two types.

they are two types.they are big endian and little endian.

memory is divided into two bank, 1:even bank 2:odd bank.

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Question # 17

What is Piconet?

Answer:-

A collection of devices connected through Bluetooth technology in an ad hoc fashion.

Question What are the three main types of connection used by Bluetooth? Answer Single slave, Master slave, Scatternet

A network of devices connected in an ad hoc fashion using Bluetooth technology. A piconet is formed when at least two devices, such as a portable PC and a cellular phone, connect. A piconet can support up to eight devices.

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Question # 18

What are the three main types of connection used by Bluetooth?

Answer:-

Single slave,

Master slave,

Scatternet .

Master slave

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Question # 19

Give example for Non-Maskable interrupts?

Answer:-

Trap is known as Non-Maskable interrupts, which is used in emergency condition.

5MHZ

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Question # 20

Give examples for Maskable interrupts?

Answer:-

RST 7.5, RST6.5, RST5.5 are Maskable interrupts

TRAP mask is in 8085 dear!

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Question # 21

Which interrupts are generally used for critical events?

Answer:-

Non-Maskable interrupts are used in critical events. Such as Power failure, Emergency, Shut off etc.

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Question # 22

What is Non-Maskable interrupts?

Answer:-

An interrupt which can be never be turned off (ie.disabled) is known as Non-Maskable interrupt

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Question # 23

What are the various interrupts in 8086?

Answer:-

Maskable interrupts, Non-Maskable interrupts.

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Question # 24

What are the flags used in 8086?

Answer:-

In 8086 Carry flag, Parity flag, Auxiliary carry flag, Zero flag, Overflow flag, Trace flag, Interrupt flag, Direction flag, and Sign flag.

basically there r two types of interrupti.e.internal and external interrupts.internal interrupts are software inetrrupts which can maskable or nonmaskable where as external interrupts are due to some hardware reset,and are non maskable.

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Question # 25

On a scale of one to ten, rate me as an interviewer now.

Answer:-

TRAPS: Give a perfect 10, and you'll seem too easy to please. Give anything less than a perfect 10, and he could press you as to where you're being critical, and that road leads downhill for you.



BEST ANSWER: Once again, never be negative. The interviewer will only resent criticism coming from you. This is the time to show your positivism. However, don't give a numerical rating. Simply praise whatever interview style he's been using. If he's been tough, say You have been thorough and tough-minded, the very qualities needed to conduct a good interview. If he's been methodical, say, You have been very methodical and analytical, and I'm sure that approach results in excellent hires for your firm. In other words, pay him a sincere compliment that he can believe because it's anchored in the behavior you've just seen.

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Question # 26

Which Stack is used in 8086?

Answer:-

FIFO (First In First Out) stack is used in 8086. In this type of Stack the first stored information is retrieved first.

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Question # 27

Explain What is SIM and RIM instructions?

Answer:-

SIM is Set Interrupt Mask. Used to mask the hardware interrupts. RIM is Read Interrupt Mask. Used to check whether the interrupt is Masked or not.

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Question # 28

Why operations of microprocessor is done in temporary memory instead of data registers where the data gets?

Answer:-

No Answer is Posted For this Question

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