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**VU Answer**

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Why BP (Base Pointer) default segment is SS (Stack Segment)?

Answer ( [Please click here to Add Answer](#) )



Normal Arial 12 B I U

“Interrupts are asynchronous” What does it mean?

Answer ( [Please click here to Add Answer](#) )



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What are the results after performing the following instructions, where ax = 00110011 and bx = 00010001

1. and ax,bx
2. or ax,bx
3. xor ax,bx

Answer ( [Please click here to Add Answer](#) )



What is the working of Screen Scrolling program and write the name of the most important instruction used in that program?

Answer ( [Please click here to Add Answer](#) )



Write an assembly language program that display Zero (0) on the whole DOS screen.

Answer ( [Please click here to Add Answer](#) )



Write an assembly language program that clears the computer screen.

Answer ( [Please click here to Add Answer](#) )



How 16-bit DIV operation is different from 32-bit DIV operation?

Answer ( [Please click here to Add Answer](#) )



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**B***I*U

Which of the following are bitwise operators?

AND  
MOV  
ADD  
MUL

Answer ( [Please click here to Add Answer](#) )



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For what purpose "INT 1" is reserved ?

Answer ( [Please click here to Add Answer](#) )



Suppose AL contains 11001011b and CF= 1. Give the new contents of AL after each of the following instructions is executed. Assume the preceding initial conditions for each part of this question.

- . SHL AL,1
- a. SHR AL,1
- b. ROL AL,CL ;if CL contains 2
- c. SAR AL,CL ;if CL contains 2
- d. RCR AL,CL ;if CL contains 3

Answer ( [Please click here to Add Answer](#) )



A rich text editor toolbar with various icons for file operations (save, print, copy, paste), editing (undo, redo, bold, italic, underline), and formatting (bullet points, numbered lists, indent). The font is set to Arial, size 12, and the zoom level is 100%.

Following instructions are taken from the program of printing a "hello word" at desired screen location. What functionality is achieved by the following code lines?

[Initially SI is pointing to the string and DI is pointing to the top left column of the screen]

```
mov al, [si]
mov [es:di], ax
add di, 2
```

Answer ( [Please click here to Add Answer](#) )



A rich text editor toolbar with various icons for file operations (save, print, copy, paste), editing (undo, redo, find, replace), and formatting (bold, italic, underline, text color, background color, bulleted list, numbered list, link, unlink). The font is set to Arial, size 12, and the zoom level is 100%.

[Initially SI is pointing to the string and DI is pointing to the top left column of the screen]

```
mov al, [si]
mov [es:di], ax
add di, 2
add si, 1
```

Answer ( [Please click here to Add Answer](#) )



OR  
NOT  
SUB  
XOR  
DIV  
ADC

Answer ( [Please click here to Add Answer](#) )



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What does the instruction "lds si, [bp+4]" do?

Answer ( [Please click here to Add Answer](#) )



point ds:si to the first string

Write down the procedure to clear the selective bit.

Answer ( [Please click here to Add Answer](#) )



which bit we want convert into zero we make and opration on it whic  
value we want to covert into zro we apply and opration with value 0 t  
other valuse fil with one.

**Made By: Waqar Siddhu**

How string instruction work on a block of data?

Answer ( [Please click here to Add Answer](#) )



What is wrong with this program?

```
; bubble sort subroutine taking parameters from stack  
[org 0x0100]
```

Answer ( [Please click here to Add Answer](#) )



In case of branching techniques used in Intel's architecture, which instruction is used to provide temporary diversion and how?

Answer ( [Please click here to Add Answer](#) )



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What will be the affect of executing REPE and REPNE instructions on zero flag? With which instructions you can use both of these REPE and REPNE prefixes?

Answer ( [Please click here to Add Answer](#) )



Why BP (Base Pointer) default segment is SS (Stack Segment)?

Answer ( [Please click here to Add Answer](#) )



Write a single instruction that can be used as an alternative of the following two instructions?

```
DEC CX  
JNZ NextChar
```

Answer ( [Please click here to Add Answer](#) )



What are the instructions use by the Assembly language for Permanent diversion and temporarily diversion?

Answer ( [Please click here to Add Answer](#) )



Which interrupts are generated as a result of:

1. Dividing a number by zero
2. If the trap flag is set

Answer ( [Please click here to Add Answer](#) )



What is Divide Overflow Error? Complete the following code such that it will cause Divide Overflow Error.

```
mov BL, ____  
mov AX, ____  
DIV BL
```

Answer ( [Please click here to Add Answer](#) )



Write an assembly language program that clears the computer screen.

Answer ( [Please click here to Add Answer](#) )



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