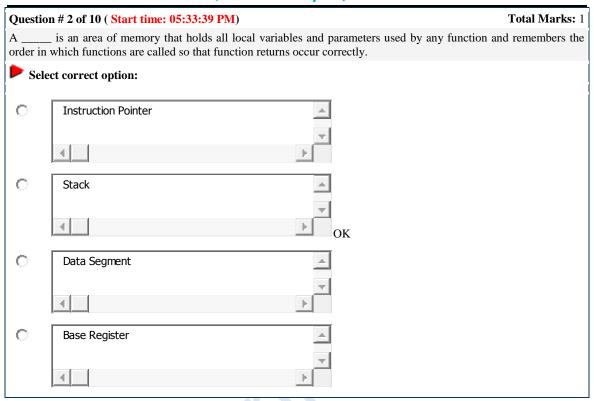
# CS401 Computer Architecture and Assembly Language Quiz No.2 May 02, 2012



Both DS and ES can be used to access the video memory. However we commonly keep DS for accessing our data, and load ES with the segment of video memory. Select correct option:

#### **True**

False

**PAGE 81** 

Question # 2 of 10 (Start time: 03:17:23 PM) Total Marks: 1

How many characters standard ASCII has?

Select correct option:

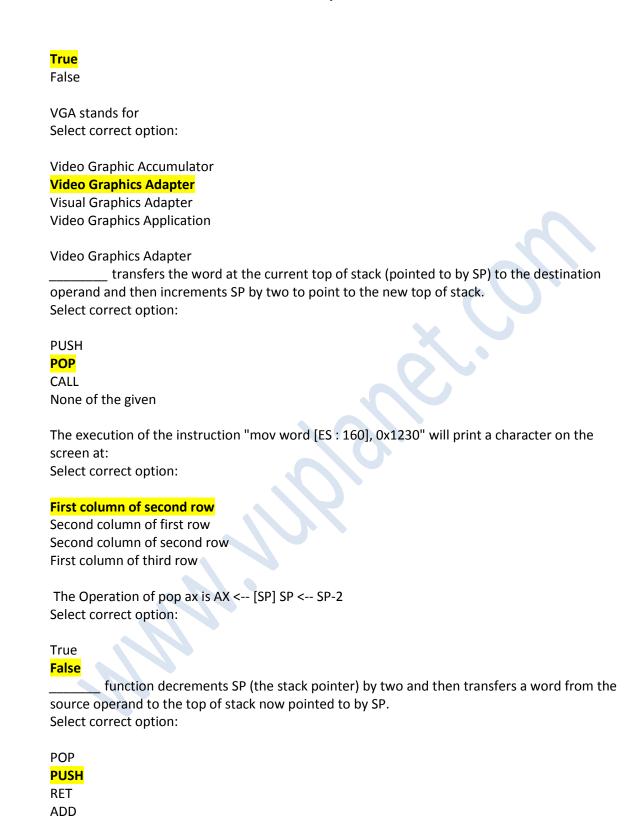
512

**256** 

128

64

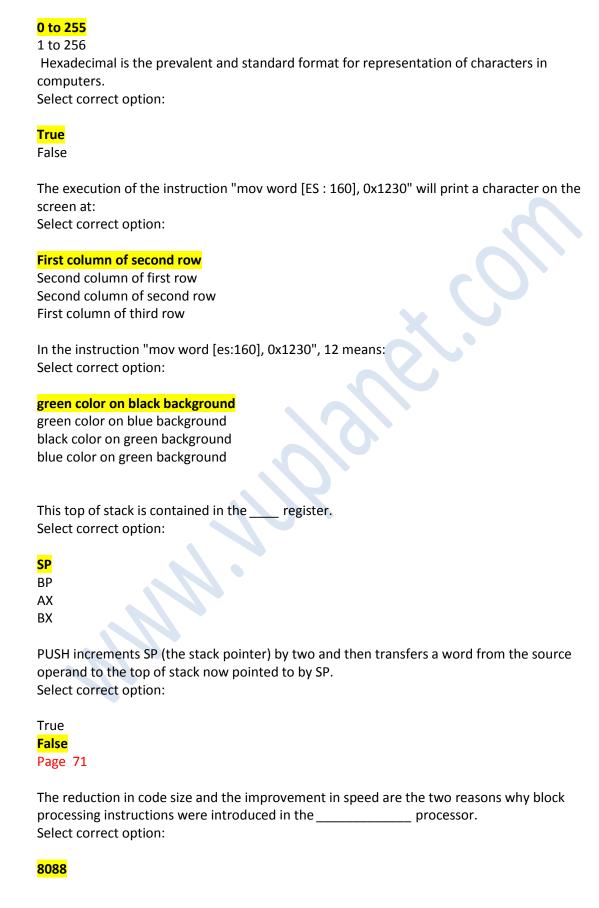
During the CALL operation, the current value of the instruction pointer is automatically saved on the stack, and the destination of CALL is loaded in the instruction pointer. Select correct option:



Far calls are called intra segment calls.

Select correct option:

False
STOS is often used to clear a block of memory or fill it with a constant. Select correct option:
True False How many characters were defined by standard ASCII? Select correct option: 132 124 122 128
Stack clearing by the caller needs an extra instruction on behalf of the caller after every call made to the subroutine, unnecessarily increasing instructions in the program.  Select correct option:
True False
The direction of movement is controlled with thein the flags register. If this flag is cleared the direction is from lower addresses towards higher addresses and if this flag is set the direction is from higher addresses to lower addresses. Select correct option:
Direction Flag (DF) Control Flag (CF) Carry Flag (CF) Non of above
ASCII stands for Select correct option:
American Standard Code for Information Interaction  American Standard Code for Information Interchange  American Standard Communication for Integer Interchange  American Scientific Communication for Integer Interaction  During the CALL operation, the current value of the instruction pointer is automatically saved on the stack, and the destination of CALL is loaded in the instruction pointer.  Select correct option:
Extended ASCII has 256 characters with assigned numbers from Select correct option:
1 to 255 0 to 256

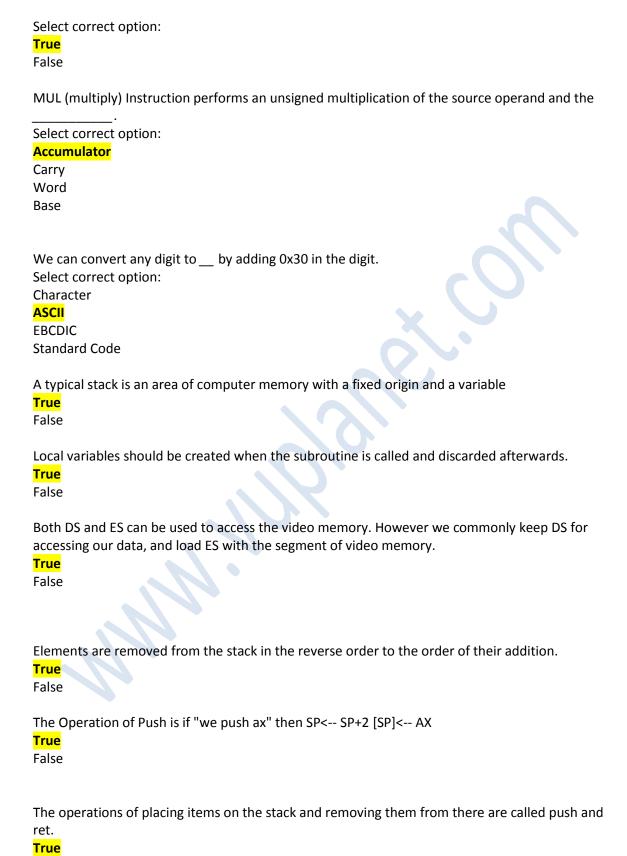


8085 8080 iAPX386
MOVS is used to a block of memory. Select correct option:
Save Move Delete Push
The operation of PUSH is not similar to CALL however with a register other than the instruction pointer. Select correct option:
True False Reference: operation of PUSH is similar to CALL however with a register other than the instruction pointer. page 69
Both DS and ES can be used to access the video memory. However we commonly keep DS for accessing our data, and load ES with the segment of video memory. Select correct option:
True False
Which bit of the attributes byte represents the blue component of foreground color ? Select correct option:
0 1 2 3
SCAS compares a source byte or word in register AL or AX with the string element addressed by ES: DI and updates the flags.  Source  Destination  Flag  Register  page 92
An element is pushed on the stack SP is decremented by as the 8088 stack works on word sized elements.  Three

two four
page 68
To access the arguments from the stack, the immediate idea that strikes is to them off the stack.  push  pop  add insert
We use to access the parameters that are stay on the stack with out popping them.  pop  DS not sure  PUSH  BP
How many characters were defined by standard ASCII? 132 124 128
ASCII table is the contiguous arrangement of the uppercase alphabets (41-5A), the lowercase alphabets (61-7A), and the numbers
The purpose of MOVS instruction is to move a memory location to register  True  False  decrements SP (the stack pointer) by two and then transfers a word from the source operand to the top of stack now pointed to by SP.  push  pop call  None
This top of stack is contained in the register.  SP  BP  AX
To access the arguments from the stack, the immediate idea that strikes is to them off the stack.  Select correct option:

Push Pop Add Insert
Parameters clears from the stack by the Select correct option: caller callee caller and callee None of the given
There are just block processing instructions in 8088.  Select correct option: 6 5 4 3
decrements SP (the stack pointer) by two and then transfers a word from the source operand to the top of stack now pointed to by SP. Select correct option:  PUSH POP CALL None of the Above
The operation of PUSH is not similar to CALL however with a register other than the instruction pointer.  Select correct option:  True  False
The direction of movement is controlled with thein the flags register. If this flag is cleared the direction is from lower addresses towards higher addresses and if this flag is set the direction is from higher addresses to lower addresses.  Select correct option:  Direction Flag (DF)  Control Flag (CF)  Carry Flag (CF)  Non of above
Hexadecimal is the prevalent and standard format for representation of characters in

computers.



False

$A_{}$ is an area of memory that holds all local variables and parameters used by any function
and remembers the order in which functions are called so that function returns occur correctly
nstruction Pointer
<mark>Stack</mark>
Data Segment
Base Register
Stack is a data structure that behaves in a first in last manner.
n
<mark>Out</mark>
Push
Add
RET do not pops the word at the top of the stack (pointed to by register SP) into the instruction
pointer but increments SP by two.
True
<mark>False</mark>