

Name		Student login	Section Section	05/11/20 Date	Grade
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Notes:	This is a short-answer				
1.	Indicate truthfulness	s of statements			
a)	A bit is the smallest ad computer systems and			mory of modern	FV
b)	A byte is always define	ed as a group of 8 b	oits.		TX
c)	A mask is one or more bytes with predefined sequence of control bits for selecting which bits of an input to include or omit in a bitwise operation.				
d)	Bitwise NOT of an integer value returns an integer with a value 1 when it was 0; otherwise returns 0.				
e)	Bitwise OR can be used input value.	d for selective setti	ng of bits indicate	d by a mask in an	TV
f)	An integer after a bitw two least significant bit		places will always	have 0s present a	at its T
g)	An integer after a bitw its four most significan		4 places will alwa	ys have 0s present	t at
h)	A hexadecimal (base-1) while binary (base-2) h	6) integer literal va	0b1010)	,	3F), 7 V
a)	Define a function clea				
# Indi	short representing va calculations it perform de (biset)	al with the 2nd mo:		eared. Then demo	nstrate the
# Indi	short representing vacalculations it perform	al with the 2nd most stor a call:	clear14 (	eared. Then demo  0×413E);  de Calculations  4	instrate the
the state of the s	short representing va calculations it perform de (bitset)	al with the 2nd most start constant start constant start constant	Construction of the clear state of the construction of the constru	eared. Then demo  0x413E);  de Calculations  45  45  47  73  73  74  74  75  75  76  77  78  78  78  78  78  78  78  78	ralues and unted from 0)
the state of the s	short representing vacaculations it perform when the childer is a signed shot dearly (unsigned shot bifet (8) is just shot bifet (8) is j	al with the 2nd most stor a call:  gned shot vol )  the colon static c	clear14 (  Con  St current shot  that accepts two will with a bit at the a call:	eared. Then demonon of the control o	values and unted from 0)
# 1nds	short representing vacaculations it perform  calculations is perform  blight = 0;  bligh	al with the 2nd most stor a call:  gned shot vol )  the colon static c	St significant bit clear 14 (  Con  St current shot that accepts two with a bit at the ra call: to condition of the pass) Con	eared. Then demo  0x413E);  de Calculations  25  29  13  20  14  20  15  20  16  20  20  20  20  20  20  20  20  20  2	ralues and unted from 0)
b)  # indi	short representing vacaculations it perform when the children is a short deal of the control of the control of the children is a short deal of the children is	al with the 2nd most stor a call:  gned shot vol )  At the return static-constant representing values the calculations for speed char vol , usigned to ;	St significant bit clear 14 (  Con  St current shot that accepts two with a bit at the ra call: to condition of the pass) Con	eared. Then demo  0x413E);  de Calculations  % \( \frac{45}{22} \)  \( \text{value } \lambda \simple (1)  position pos (couggleN (045, 6);  de Calculations  \( \frac{45}{22} \)  \( \frac{45}{22} \) \(	values and unted from 0)
b)  # indi	short representing vacalculations it perform which child and charles and charles and charles are the control of	al with the 2nd most stor a call:  gneed short vol )  Actum static-call  glen (val, pos) the calculations for the	st significant bit clear 14 (  Co.  St (unsqued short)  that accepts two in the acall:  to do for for)  Co.  Signal dor (val.)  Co.  Co.  Co.  Co.  Co.  Co.  Co.  C	eared. Then demonomorphisms of the Calculations  (value & ~(1)  nsigned charve position pos (country position	values and unted from 0)
b)  ## wd.  {	short representing vacaculations it perform when children's insigned shot dearly (unsigned shot bifet < 82) is just show the shot bifet < 82) is just show the short wal a val & ~ 6)  Define a function togger returns unsigned charted toggled. Demonstrate to the short should be short toggled (unsigned charted) insigned charted to the short should be short toggled (unsigned charted) in the short should be short toggled. It is the short should be short toggled (unsigned charted) in the short should be sho	al with the 2nd most stor a call:  gneed short vol )  Actum static-call  glen (val, pos) the calculations for the	st significant bit clear 14 (  Co.  St Curregued Short  that accepts two was a with a bit at the a call: to a call: to a color for for Co.  Signed that (Val.)	eared. Then demo  0x413E);  de Calculations  % \( \frac{45}{22} \)  \( \text{value } \lambda \simple (1)  position pos (couggleN (045, 6);  de Calculations  \( \frac{45}{22} \)  \( \frac{45}{22} \) \(	values and unted from 0)