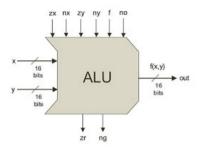
	Monday, 13 February 2023, 4:35 AM
State	
	Monday, 13 February 2023, 4:55 AM
	19 mins 20 secs
	37.00/38.00
Grade	<b>97.37</b> out of 100.00
prect orrect ork 1.00 out of 1.00	
orrect ark 1.00 out of 1.00	l equivalent of the binary number 10011101? Assume "unsigned" binary for the conversion.
orrect  ark 1.00 out of 1.00  What is the decima  Select one:	l equivalent of the binary number 10011101? Assume "unsigned" binary for the conversion.
orrect ark 1.00 out of 1.00 What is the decima	l equivalent of the binary number 10011101? Assume "unsigned" binary for the conversion.
orrect  ark 1.00 out of 1.00  What is the decima  Select one:	l equivalent of the binary number 10011101? Assume "unsigned" binary for the conversion.
what is the decima  Select one:  a. 157	l equivalent of the binary number 10011101? Assume "unsigned" binary for the conversion.



Correct

Mark 2.00 out of 2.00

The **ny** control bit will:



#### Select one:

- a. Zero the y input.
- b. Negate the x input.
- o. Negate the ng output.
- d. Negate the y input.

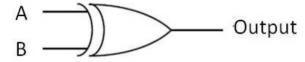
The correct answer is: Negate the y input.

Question 3

Correct

Mark 1.00 out of 1.00

Given the following logic gate, select the truth table from below that is NOT valid given the format A - B - Output:



## Select one:

- a. 0-0-0
- ob. 0-1-1
- © c. 1-1-1
- Od. 1-0-1

The correct answer is: 1 - 1 - 1



Question <b>4</b> Correct
Mark 2.00 out of 2.00
What is the <b>decimal</b> value of this 16-bit 2's complement number?  111111111111100 <sub>two</sub>
Answer:  -4  ✓
The correct answer is: -4
Question <b>5</b>
Correct  Mark 1.00 out of 1.00
True/False: According to DeMorgan's Theorem, inverting the output of an AND gate yields the same output as an OR gate with inverted inputs?  Select one:  True ✓
○ False
The correct answer is 'True'.
Question <b>6</b> Correct Mark 1.00 out of 1.00
In an 8-way multiplexor the selection is specified by a set of control bits.
Answer: 3 ✓
The correct answer is: 3



2023/03/27 1.09	Oraced Quiz Offices. Attempt review
Question <b>7</b>	
Incorrect	
Mark 0.00 out of 1.00	
A decoder described as a 2-to-4 decoder will have how ma	any active outputs?
Answer:	
4	
×	
The correct answer is: 1	
Question 8	
Correct  Mark 1.00 out of 1.00	
A coding approach that recognizes the MSB with a value of	f 1 to be a negative number is called?
Select one:	
■ a. Signed Magnitude	
○ b. 1's complement	
o. 2's complement	
Od. Binary Coded Decimal	
The correct answer is: Signed Magnitude	
Question 9	
Correct  Mark 2.00 out of 2.00	
Mark 2.00 out of 2.00	
Name an <b>unary</b> Boolean function:	
Answer:	
Not	
<b>✓</b>	
The correct answer is: Not	

	4	$\sim$	
Question	- 1	U	

Correct

Mark 2.00 out of 2.00

Which Two-Input Boolean function will return 0 for every input it receives?

## Select one:

- a. Constant 0

  ✓
- ob. Not
- oc. Nor
- d. And

The correct answer is: Constant 0

Question 11

Correct

Mark 1.00 out of 1.00

What circuit does the following truth table belong to?

Inputs		Outputs	
a	b	carry	sum
0	0	0	0
0	1	0	1
1	0	0	1
1	1	1	0

#### Select one:

- a. half-adder
- b. full-adder
- oc. incrementer
- od. ALU (Arithmetic Logic Unit)

The correct answer is: half-adder



2023/03/27 1:09	Graded Quiz Unit 3: Attempt review
Question 12	
Correct	
Mark 1.00 out of 1.00	
The boolean expression $\overline{A+B}$ represents w	hich of the following:
Select one:	
a. A NOR B  ✓	
O b. A AND B	
c. A NOT B	
O d. A NAND B	
The correct answer is: A NOR B	
Question 13	
Correct	
Mark 2.00 out of 2.00	
The Full Adder chip has:	
Select one:	
<ul><li>a. 2 input pins, 2 output pins.</li></ul>	
ob. 2 input pins, 1 output pin.	

b. 2 input pins, 1 output pin.
c. 3 input pins, 2 output pins.
d. 3 input pins, 1 output pin.

The correct answer is: 3 input pins, 2 output pins.

Question 14
Correct
Mark 1.00 out of 1.00

True/False: An unsigned binary number can represent positive and negative numbers but not floating point numbers.

Select one:

True

False ✓

The correct answer is 'False'.

Question 15
Correct
Mark 1.00 out of 1.00
True/False: A decoder has a unique output represented for a set of inputs in a truth table?
Select one:
True   ✓
○ False
The correct answer is 'True'.
Question 16 Correct
Mark 1.00 out of 1.00
The boolean expression A $\cdot$ B represents which of the following:
Select one:
a. A AND B  ✓
○ b. A OR B
O c. A AND NOT B
O d. A NAND B
The correct answer is: A AND B
Question 17
Correct
Mark 1.00 out of 1.00
Which of the following is NOT a component required to represent a floating point number in binary?
Select one:
a. Exponent
O b. Fraction
○ c. Sign bit
□ d. Precision     ✓
The correct answer is: Precision

2023/03/27 1:09	Graded Quiz Unit 3: Attempt review
Question 18	
Correct	
Mark 1.00 out of 1.00	
What is the function of the following logic circuit?	
A B Cin	
Cout	
Select one:	
a. full adder  ✓	
o b. half adder	
oc. And circuit	
O d. Inverter	
The correct answer is: full adder	
Question 19	
Correct	
Mark 1.00 out of 1.00	
True/False: Adding 01101101 $_2$ to 10100010 $_2$ in 8-bit unsigne	d binary will cause an overflow.
Select one:	
© True ✓	
○ False	
1 4130	



The correct answer is 'True'.

2023/03/27 1:09	Graded Quiz Unit 3: Attempt review
Question 20 Correct	
Mark 1.00 out of 1.00	
What is the decimal value of 54 (base 10) converted to bir	nary?
Select one:	
⊚ a. 00110110 <b>✓</b>	
O b. 11001010	
oc. 11001001	
O d. 11110001	
e. 10100001	
The correct answer is: 00110110	

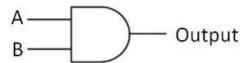
Question 2'	1
Correct	
Mark 2.00 o	ut of 2.00
What is	the most basic element of every computer system?
WHATIS	the most basic dement of every compater system.
Select o	ne:
○ a.	CPU
○ b.	Memory
<ul><li>c.</li></ul>	Logic Gate♥
O d.	ALU
The corr	rect answer is: Logic Gate



Question <b>22</b>
Correct

Mark 1.00 out of 1.00

Given the following logic gate, select the truth table from below that is NOT valid given the format A - B - Output:



#### Select one:

- a. 0-0-0
- b. 0 1 1
- O c. 1-1-1
- od. 1-0-0

The correct answer is: 0 - 1 - 1

Question 23

Correct

Mark 2.00 out of 2.00

Every Boolean function can be constructed from only:

## Select one:

- a. And function
- b. Or function
- c. Nand function
- d. Not Function

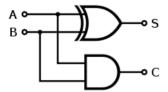
The correct answer is: Nand function



Correct

Mark 1.00 out of 1.00

What is the function of the following logic circuit?



#### Select one:

- a. half adder
- b. full adder
- c. subtractor
- d. counter

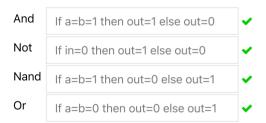
The correct answer is: half adder

Question 25

Correct

Mark 2.00 out of 2.00

Match the following gates to their description.



Match the following gates to their description.

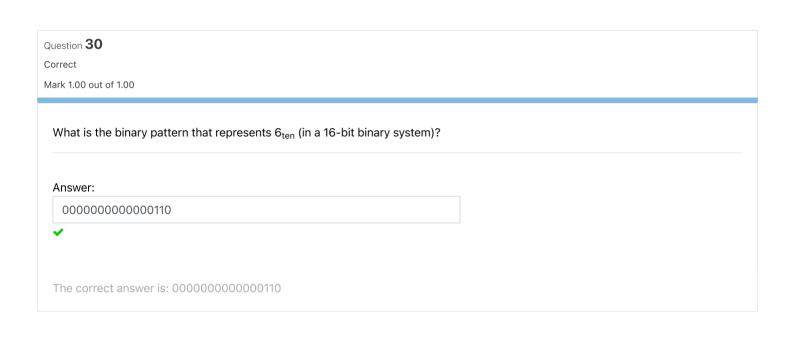
The correct answer is: And  $\rightarrow$  If a=b=1 then out=1 else out=0, Not  $\rightarrow$  If in=0 then out=1 else out=0, Nand  $\rightarrow$  If a=b=1 then out=0 else out=1, Or  $\rightarrow$  If a=b=0 then out=0 else out=1



2023/03/27 1:09	Graded Quiz Unit 3: Attempt review
Question <b>26</b>	
Correct	
Mark 1.00 out of 1.00	
In a 16-bit Multiplexor the selector is	16-bit wide.
Select one:	
○ True	
False   ✓	
The correct answer is 'False'.	
Question 27	
Correct	
Mark 1.00 out of 1.00	
Answer: 0	<b>✓</b>
The correct answer is: 0	
Question 28	
Correct	
Mark 1.00 out of 1.00	
True / False: The 2's complement bit	string 10101011 converted to decimal equals 85.
Select one:	
○ True	
False   ✓	
The correct answer is 'False'.	



uestion 29 prrect	
ark 1.00 out of 1.00	
True/False: The operation to be performed within the ALU is selected with a multiplexor circuit.	
Select one:	
True   ✓	
○ False	
The correct answer is 'True'.	



Chapter 8: Combinational Logic Applications (Tarnoff) ▶



■ Learning Journal Unit 3

Jump to...

Dashboard / My cou	ırses / <u>CS 1104-01 - AY2023-T3</u> / 2 March - 8 March / <u>Graded Quiz Unit 6</u>
Started on	Wednesday, 8 March 2023, 5:20 AM
	Finished
	Wednesday, 8 March 2023, 5:28 AM
	8 mins 7 secs
Marks	23.00/23.00
Grade	<b>100.00</b> out of 100.00
Question <b>1</b>	
Correct	
Mark 1.00 out of 1.00	
	bar]=15 is conceptually the same as:
Select one:	
a. @bar, follo	
b. @foo, follow	
c. foo[*(bar)]:	
d. *(foo+bar)=	
e. All answers	are wrong
The correct answer	is: *(foo+bar)=15
Question <b>2</b> Correct	
Mark 1.00 out of 1.00	
A <b>counter</b> is combi	inational logic, that simply adds a constant (typically 1) to a given number.
Select one:	
O True	
False   ✓	
The correct answer	is 'False'

Correct

Mark 1.00 out of 1.00

Variable, arrays, and objects are stored in the computer's ...

Data Memory

High level commands are translated into machine language and stored in the computer's ...

Instruction Memory

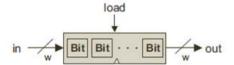
The correct answer is: Variable, arrays, and objects are stored in the computer's ...  $\rightarrow$  Data Memory, High level commands are translated into machine language and stored in the computer's ...  $\rightarrow$  Instruction Memory

Question 4

Correct

Mark 1.00 out of 1.00

In our text the following is known as a:



if load(t-1) then out(t) = in(t-1)else out(t) = out(t-1)

# Select one:

- a. w-bit register

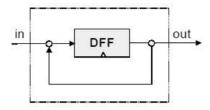
  ✓
- b. binary cell
- c. 1-bit register
- d. data flip-flop

The correct answer is: w-bit register

Correct

Mark 1.00 out of 1.00

Given the HDL language described in Appendix A, is the following design valid?



#### Select one:

- True
- False

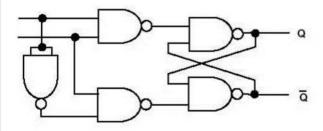
The correct answer is 'False'.

Question 6

Correct

Mark 1.00 out of 1.00

What is the function of the following circuit?



## Select one:

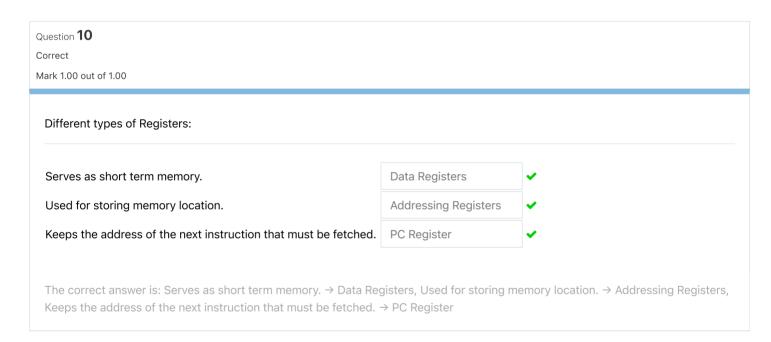
- a. DFF

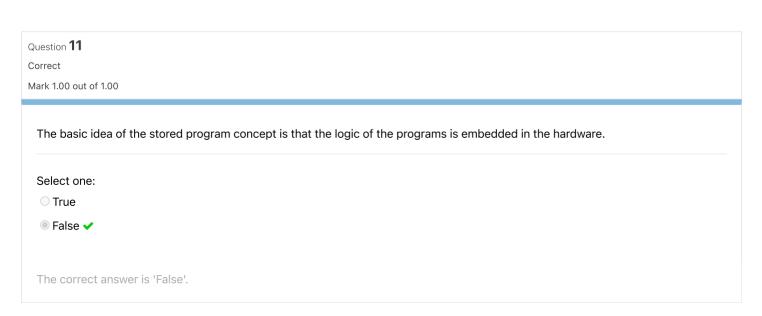
  ✓
- b. Full Adder
- oc. counter
- Od. SR Latch

The correct answer is: DFF

2023/03/27 1:12	Graded Quiz Unit 6: Attempt review
Question <b>7</b>	
Correct	
Mark 1.00 out of 1.00	
The program that translate	es from assembly to binary is called:
Answer:	
Assembler	
<b>✓</b>	
The correct answer is: Ass	embler
Question 8	
Correct	
Mark 1.00 out of 1.00	
Which of the following is N	IOT a component of the CPU?
Select one:	
a. ALU	
ob. Control Unit	
oc. Registers	
⊚ d. RAM <b>✓</b>	
The correct answer is: RA	
The correct answer is: RA	VI

2023/03/27 1:12	Graded Quiz Unit 6: Attempt review
Question <b>9</b> Correct Mark 1.00 out of	1.00
Which part of fetch and ex	of the CPU is in charge of decoding the instructions before they can be executed, and deciding which instruction to ecute next?
O b. ALU	gram Counter
The correct	answer is: Control Unit



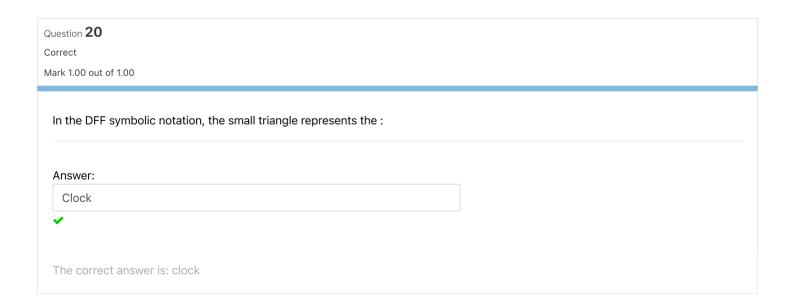


Question 12
Correct  Mark 1.00 out of 1.00
Mark 1.00 out of 1.00
The Screen and Keyboard chips should be part of the chip.
Answer:
Memory
The correct answer is: Memory
Question 13
Correct Mark 4.00 parts of 4.00
Mark 1.00 out of 1.00
A-instruction is used for:
Select one:
a. Entering a constant.
b. Selecting a data memory location.
c. Selecting an instruction memory location.
The correct answer is: All of these answers are correct.
Question 14 Correct
Mark 1.00 out of 1.00
When implementing the a 1-bit register, we need to tell the register when to store a new data and when to keep storing its internal value. For that we need a : (Choose all correct answers)
Answer:
Multiplexor
The correct answer is: multiplexor

Question 15		
Correct		
Mark 1.00 out of 1.00		
The von Neumann architecture is bas	ed on a:	
central processing unit (),	CPU	•
interacting with a device,	memory	<b>■</b>
receiving data from some device,	input	<b>✓</b>
and sending data to some device.	output	<b>✓</b>
The correct answer is: central proces	sing unit ()	, → CPU, interacting with a device, → memory, receiving data from some
device, $\rightarrow$ input, and sending data to	some devi	ce. → output
Question <b>16</b>		
Correct		
Mark 1.00 out of 1.00		
A <b>RAM</b> device accepts the minimum	following inp	uts:
Select one:		
<ul><li>a. data input, and a load bit</li><li>b. data input, an address input,</li></ul>	and a load hi	it <b>✓</b>
c. data input, and an address in		
d. data input, and a clock input	J- 0.1	
The correct answer is: data input, an	address inpu	it. and a load bit
Question <b>17</b>		
Question 17 Correct		
Mark 1.00 out of 1.00		
True/False: The clock in a sequential	logic circuit k	keeps track of hours, minutes, and seconds in the local timezone.
Select one:		
O True		
■ False		
The correct engines in IE-11		
The correct answer is 'False'.		

2023/03/27 1:12	Graded Quiz Unit 6: Attempt review		
Question 18 Correct			
Mark 1.00 out of 1.00			
Match each command (written in typical m	nachine language syntax) to	o the memory access mode.	
LOADI R1,67	Immediate addressing	<b>✓</b>	
ADD R1,foo,j ; LOAD* R2,R1 ; STORE R2,x	Indirect addressing	<b>✓</b>	
LOAD R1,67	Direct addressing	<b>✓</b>	
The correct answer is: LOADI R1,67 → Imm R1,67 → Direct addressing	nediate addressing, ADD R <sup>a</sup>	1,foo,j ; LOAD* R2,R1 ; STORE R2,x → Indirect addressing, LOAD	

Question 19 Correct Mark 1.00 out of 1.00 DFF behavior can be represented as: Select one: a. out(t) = int(t-1)  $\bigcirc$  b. in(t) = out(t+1) $\circ$  c. out(t) = out(t+1)  $\bigcirc$  d. out(t) = out(t-1) The correct answer is: out(t) = int(t-1)



Question 21
Correct  Mark 1.00 out of 1.00
Which part of the C-Instruction instructs the ALU what to compute?
Answer:
comp
The correct answer is: comp
Question 22
Correct  Mark 1.00 out of 1.00
What is the mnemonic for an instruction that causes an unconditional branch to a new instruction?  Answer:  jmp  The correct answer is: jmp  Question 23  Correct  Mark 1.00 out of 1.00
16-bit / 64-register memory
16 is the of the register data width
64 is the of the register size (number of words)
The correct answer is: 16 is the of the register → data width, 64 is the of the register → size (number of words)
■ Learning Journal Unit 6
Jump to

Chapter 4: Machine Language (Nisan and Schocken) - Direct Download ▶

<u>Dashboard</u> / My cou	urses / <u>CS 1104-01 - AY2023-T3</u> / Final Exam (Days 1 - 4) / <u>Review Quiz</u>
	Monday, 27 March 2023, 1:16 AM
State	Finished
	Monday, 27 March 2023, 1:26 AM
	9 mins 35 secs
	65.50/69.00
Grade	<b>94.93</b> out of 100.00
Question <b>1</b>	
Correct	
Mark 1.00 out of 1.00	
When building a ne	ew chip in HDL each input pin of a part may be fed by:
Select one:	
a. An input pi	n of the ohin
	constants true and false (1 and 0)
c. An output p	
d. An internal	
e. All, except	c.♥
Question <b>2</b>	
Correct	
Mark 2.00 out of 2.00	
The data structure	used for representing the correspondence between symbols and their meaning is:
Select one:	
a. Queue	
b. Stack	
c. Hash Table	
d. List	
G. LIST	



2023/03/27 1:26	Review Quiz: Attempt review
Question <b>3</b>	
Correct	
Mark 1.00 out of 1.00	
A <b>counter</b> is combinational logic, that simp	oly adds a constant (typically 1) to a given number.
Select one:	
○ True	
False   ✓	
Question 4	
Correct	
Mark 2.00 out of 2.00	
Select one:  a. And function b. Or function c. Nand function d. Not Function	from <b>only</b> :
Question <b>5</b> Correct	
Mark 2.00 out of 2.00	
The statement foo[bar]=15 is conceptually	the same as:
Select one:	
a. @bar, followed by foo=15	
○ b. @foo, followed by bar=15	
o. foo[*(bar)]=15	
e. All answers are wrong	



Question <b>6</b> Correct
Mark 1.00 out of 1.00
The basic idea of the stored program concept is that the logic of the programs is embedded in the hardware.
Select one:
○ True
False   ✓

Question <b>7</b> Correct Mark 1.00 out of 1.00		
Which part of the C-Instruction instructs the ALU wh	at to compute?	
Answer:		
•		

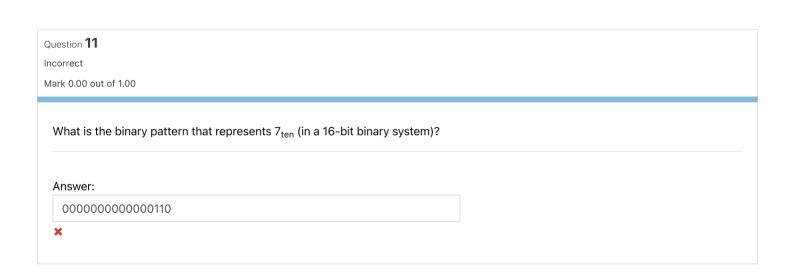
Question 8				
Correct				
Mark 1.00 out of 1.00				
The company of the street in the				
The von Neumann architecture is bas	ed on a:			
central processing unit (),	CPU	<b>√</b>		
interacting with a device,	memory	<b>✓</b>		
receiving data from some device,	input	<b>√</b>		
, , , , , , , , , , , , , , , , , , , ,	,5 5.5			
and sending data to some device.	output	<b>✓</b>		



b. two-pass assembly process. oc. subsequent VM translation process. od. multi-purpose use of the A register.

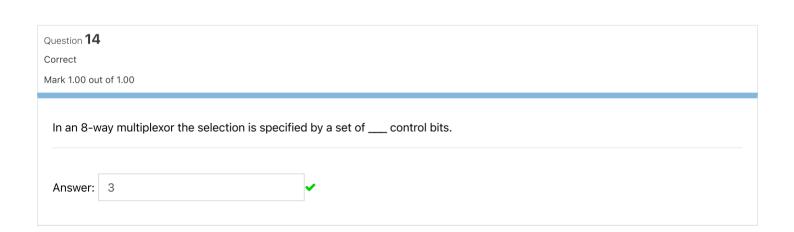
• e. fact that the program counter feeds directly from the A register.

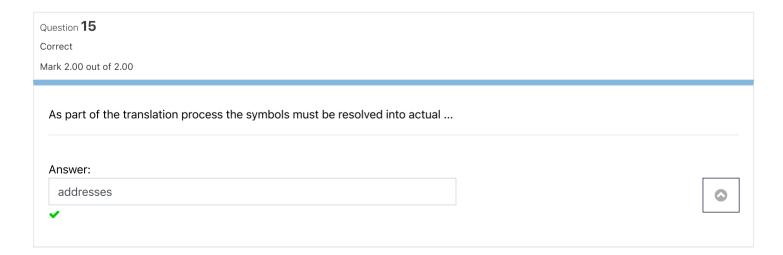
)23/03/27 1:26	Review Quiz: Attempt review		
Question 9			
Correct			
Mark 1.00 out of 1.00			
Variable, arrays, and objects are stored in the computer's	i <b></b>	Data Memory	✓
High level commands are translated into machine language	ge and stored in the computer's	Instruction Memory	<b>✓</b>
	·		
Question 10			
Correct			
Mark 2.00 out of 2.00			
In the Hack machine language, the ability to use a comma	and like @label before the label was	actually declared in the	e program is
thanks to the			
Calcatana			
Select one:			
<ul> <li>a. fact that the order of HDL statements is insignific</li> </ul>	ant.		





2023/03/27 1:26	Review Quiz: Attempt review
Question 12	
Correct	
Mark 2.00 out of 2.00	
In Hack Assembly the meaning of the symbols are their RAM ar	nd ROM addresses.
Select one:	
True   ✓	
○ False	
Question 13	
Correct	
Mark 1.00 out of 1.00	





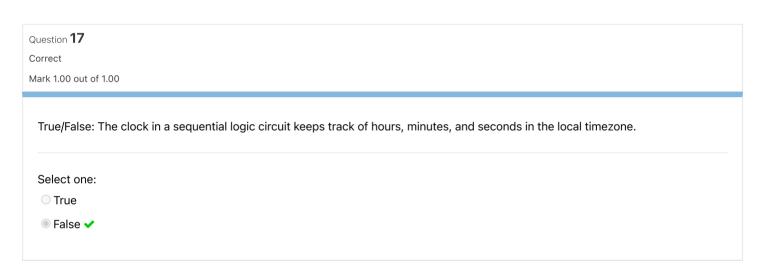
16-bit / 64-register memory

16 is the \_\_\_\_\_ of the register

data width

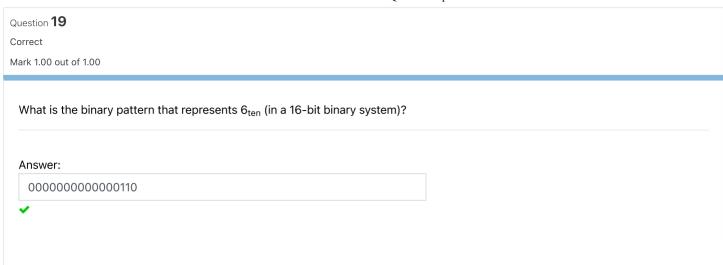
64 is the \_\_\_\_\_ of the register size (number of words)

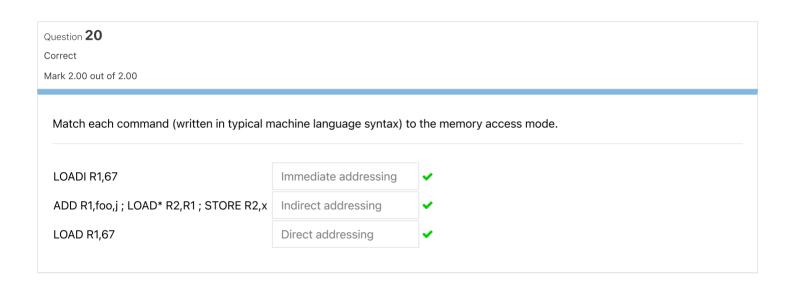
Question '	16			
orrect				
1ark 2.00	out of 2.00			
Match	the following gates to their descrip	tion		
Match	the following gates to their descrip	tion.		
And	<i>II</i> 1 4 II 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
And	If a=b=1 then out=1 else out=0			
Not	If in=0 then out=1 else out=0	<b>→</b>		
Nond				
Nand	If a=b=1 then out=0 else out=1			
Or	If a=b=0 then out=0 else out=1	<b>✓</b>		
Match the following gates to their description.				
Match the following gates to their description.				

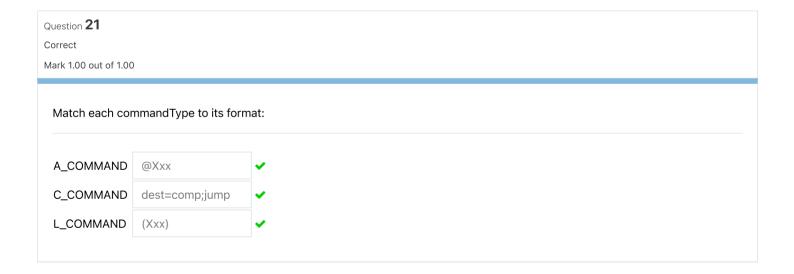


Question 18		
Correct		
Mark 2.00 out of 2.00		
Name an <b>unary</b> Boolean function:  Answer:		
Not		
✓		











2023/03/27 1:26	Review Quiz: Attempt review
Question <b>22</b>	
Correct	
Mark 1.00 out of 1.00	
The Screen and Keyboard chips should be	part of the chip.
Answer:	
Memory	
•	
Question 23	
Correct	
Mark 2.00 out of 2.00	
Answer: variable	
Question <b>24</b>	
Correct	
Mark 1.00 out of 1.00	
DFF behavior can be represented as:	
Select one:	
a. out(t) = int(t-1)	
b. in(t) = out(t+1)	
c. out(t) = out(t+1)	
d. out(t) = out(t-1)	



2023/03/27 1:26	Review Quiz: Attempt review
Question 25	
Correct	
Mark 2.00 out of 2.00	
A-instruction is used for:	
Select one:	
a. Entering a constant.	
<ul><li>b. Selecting a data memory location.</li></ul>	
c. Selecting an instruction memory location.	
<ul><li>◎ d. All of these answers are correct.</li></ul>	
Question <b>26</b>	
Correct	
Mark 2.00 out of 2.00	
Which Two-Input Boolean function will return 0 for	every input it receives?
Select one:	
<ul><li>a. Constant 0</li></ul>	
b. Not	
o c. Nor	
d. And	
G. Alid	
Question 27	
Correct	
Mark 1.00 out of 1.00	
In the DFF symbolic notation, the small triangle rep	presents the :
Answer:	
Clock	
<b>✓</b>	



2023/03/27 1.20	Review Quiz. Attempt review
Question 28 Correct	
Mark 1.00 out of 1.00	
Mark 1.00 out of 1.00	
During the first pass of the assembly process you should use This counter should be incremented by 1 whenever a C-comman A-command or an L-command is encountered.	
Select one:	
○ True	
False   ✓	
Question 29	
Correct	
Mark 1.00 out of 1.00	
Which part of the CPU is in charge of decoding the instruction fetch and execute next?  Answer:	ons before they can be executed, and deciding which instruction to
Control Unit	
Control of the	
*	
Question 30	
Correct	
Mark 1.00 out of 1.00	
The program that translates from assembly to binary is called	d:
Answer:	
Assembler	
<b>~</b>	



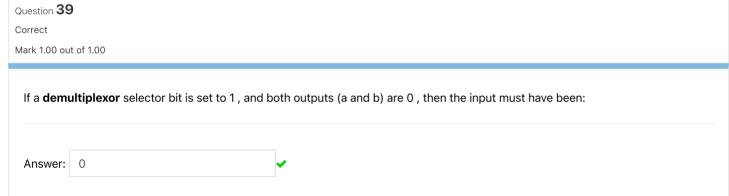
2023/03/27 1:26	Review Quiz: Attempt review	
Question 31		
Correct  Mark 2.00 out of 2.00		
Mark 2.00 out of 2.00		
The Full Adder chip has:		
Select one:		
<ul><li>a. 2 input pins, 2 output pins.</li></ul>		
<ul><li>b. 2 input pins, 1 output pin.</li></ul>		
<ul><li>c. 3 input pins, 2 output pins.</li></ul>		
<ul><li>d. 3 input pins, 1 output pin.</li></ul>		
Question 32		
Correct		
Mark 2.00 out of 2.00		
What is the mnemonic for an instruction that causes an unconditional branch to a new instruction?		
Answer:		
jmp		
<b>✓</b>		
Question <b>33</b>		
Correct		
Mark 2.00 out of 2.00		
Any symbol Xxx appearing in an assembly program that is not treated as a	predefined and is not defined elsewhere using the (Xxx) command is	
Answer:		
variable		
<b>✓</b>		



2023/03/27 1:26	Review Quiz: Attempt review
Question <b>34</b>	
Incorrect	
Mark 0.00 out of 2.00	
Supply the hexadecimal result of 6 + 7	7 (both base 10) if stored in a 16 bit register.
Answer:	
000000000001101	
×	
Question <b>35</b>	
Correct	
Mark 1.00 out of 1.00	
In a 16-bit Multiplexor the selector is 1  Select one:      True     False ✓	6-bit wide.
Question <b>36</b>	
Correct	
Mark 2.00 out of 2.00	
What is the <b>decimal</b> value of this 16-b 11111111111111100 <sub>two</sub>	it 2's complement number?
Answer:	



2023/03/27 1:26	Review Quiz: Attempt review
Question <b>37</b>	
Correct	
Mark 2.00 out of 2.00	
When implementing the a 1-l value. For that we need a : (Choose all correct answers)	oit register, we need to tell the register when to store a new data and when to keep storing its internal
Answer:	
Multiplexor	
<b>✓</b>	
Question 38	
Correct	
Mark 2.00 out of 2.00	
The addEntry routine is bei	ng called only during the first pass of the Assembler.
Select one:	
○ True	
False   ✓	
Question <b>39</b>	
Correct	
Mark 1.00 out of 1.00	

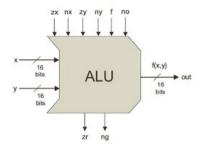




Correct

Mark 2.00 out of 2.00

# The **ny** control bit will:



#### Select one:

- a. Zero the y input.
- b. Negate the x input.
- o. Negate the ng output.
- d. Negate the y input.

## Question 41

Correct

Mark 1.00 out of 1.00

People who use the chip as an internal part in other chip definitions should not be interested in the body of the chip definition.

# Select one:

■ True

False

Question 42

Correct

Mark 1.00 out of 1.00

## Different types of Registers:

Serves as short term memory.

Used for storing memory location.

Keeps the address of the next instruction that must be fetched.

Data Registers

Addressing Registers

PC Register

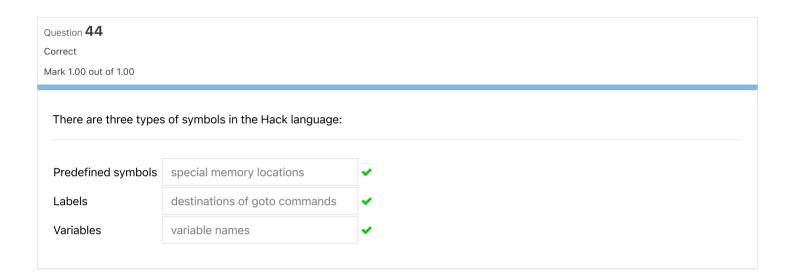


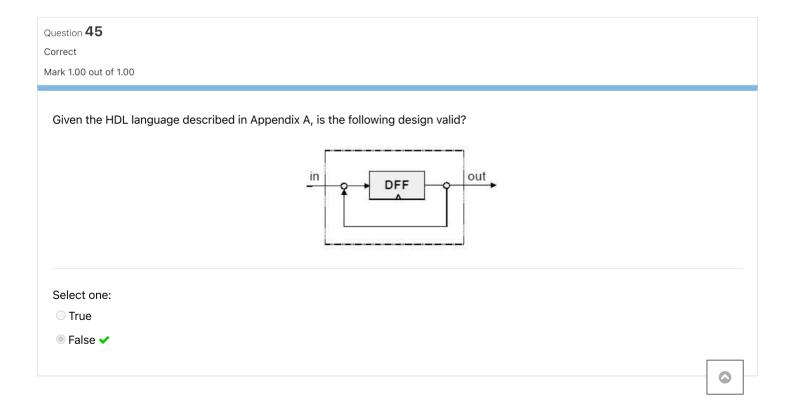
Question **43**Correct
Mark 2.00 out of 2.00

A **RAM** device accepts the minimum following inputs:

## Select one:

- a. data input, and a load bit
- b. data input, an address input, and a load bit
- c. data input, and an address input
- od. data input, and a clock input





Question 46 Correct	
Mark 2.00 out of 2.00	
What is the most basic element of every computer system?  Select one:	
a. CPU	
○ b. Memory	
□ c. Logic Gate     ✓	
O d. ALU	

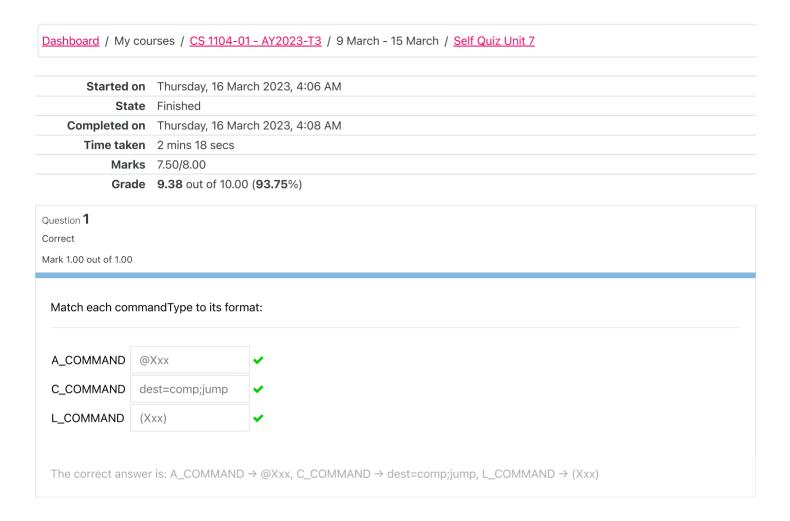
Question <b>47</b> Partially correct Mark 0.50 out of 1.00		
In the assembly process	of a two-pass assembler:	
during the first pass	the assembler construct a symbol table.	<b>~</b>
during the second pass	the assembler initialize the symbol table with all the predefined symbols.	×

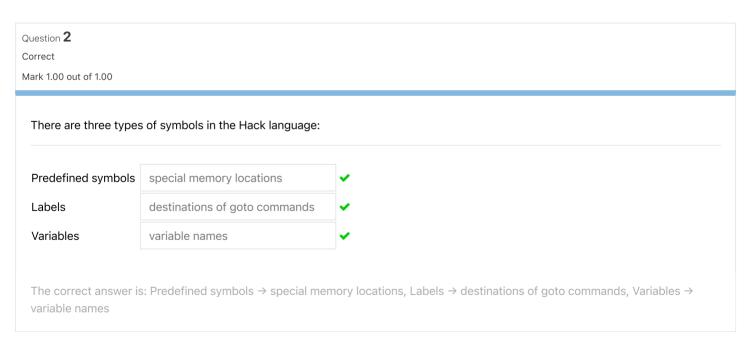
# ■ Learning Guide Unit 9

Jump to...

Final Exam ▶







	Self Quiz Unit 7: Attempt review	
uestion <b>3</b>		
artially correct		
1ark 0.50 out of 1.00		
In the assembly process	of a two-pass assembler:	
		<b>.</b>
during the first pass	the assembler initialize the symbol table with all the predefined symbols.	×
during the second pass	the assembler translate the program, using the symbol table for symbols resolution.	<b>✓</b>
	uring the first pass $\rightarrow$ the assembler construct a symbol table., during the second pass $\rightarrow$ sing the symbol table for symbols resolution.	the assembler
	uring the first pass $ o$ the assembler construct a symbol table., during the second pass $ o$ sing the symbol table for symbols resolution.	the assembler
translate the program, us		the assembler
translate the program, us  Question 4  Correct		the assembler
translate the program, us		the assemble

The correct answer is: two-pass assembly process.

• e. fact that the program counter feeds directly from the A register.

a. fact that the order of HDL statements is insignificant.

b. two-pass assembly process.c. subsequent VM translation process.d. multi-purpose use of the A register.

Select one:

Question 5
Correct
Mark 2.00 out of 2.00

During the second pass of the assembly process, if a symbol is not found in the symbol table, then it clearly represents a new ...

Answer:

variable

The correct answer is: variable

Jump to...

2023/03/27 1.12	Sen Quiz Onit 7. Mempi leview
Question <b>6</b> Correct	
Mark 1.00 out of 1.00	
During the first pass of the assembly process you should us This counter should be incremented by 1 whenever a C-com an A-command or an L-command is encountered.	
Select one:	
○ True	
False   ✓	
The correct answer is 'False'.	
■ Learning Journal Unit 7	

Chapter 6: Assembler (Nisan and Schocken) - Direct Download ▶

Dashboard / My cou	urses / <u>CS 1104-01 - AY2023-T3</u> / 16 March - 22 March / <u>Self-Quiz Unit 8</u>
6	Thursday 00 Marsh 0000 7:40 AM
	Thursday, 23 March 2023, 7:12 AM
	Finished  Thursday 22 March 2022, 7:12 AM
Time taken	Thursday, 23 March 2023, 7:12 AM
	2.00 out of 10.00 (20%)
Orace	2.00 out of 10.00 (2070)
Question 1	
Correct	
Mark 2.00 out of 2.00	
The data structure  Select one:  a. Queue  b. Stack  c. Hash Table  d. List  The correct answer	
Question <b>2</b>	
Incorrect	
Mark 0.00 out of 2.00	
As part of the trans  Answer:	slation process the symbols must be resolved into actual
×	
•	
The correct answe	r is: addresses

Question 3
Incorrect
Mark 0.00 out of 2.00
Any symbol Xxx appearing in an assembly program that is not predefined and is not defined elsewhere using the (Xxx) command is treated as a
Answer:
45
×
The correct answer is: variable
Question 4 Incorrect Mark 0.00 out of 2.00
In Hack Assembly the meaning of the symbols are their RAM and ROM addresses.
Select one:
O True
False       ★
The correct answer is 'True'.
Question 5
Incorrect
Mark 0.00 out of 2.00
The addEntry routine is being called only during the first pass of the Assembler.
Select one:
True       True
○ False
The correct answer is 'False'.
■ Learning Journal Unit 8
Jump to

Chapter 6: Assembler (Nisan and Schocken) - Direct Download ▶