

Session Name: 04 - Upper Bound Lecture 9-7-2023 12-07 PM (1)

Date Created: 9/7/23, 12:00:19 PM Active Participants: 67 of 67

Average Score: 25.97% Questions: 5

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## Results by Question

1. Please do Question 1 which is displayed on the screen in class. (Short Answer)

	Responses	
	Percent	Count
SET	34.85%	23
VECTOR	30.3%	20
MAP	16.67%	11
SORTED VECTOR	4.55%	3
DEQUE ( c )	3.03%	2
BINARY SORT	1.52%	1
DEQ	1.52%	1
DOUBLE LINKED LIST	1.52%	1
LINKED LIST	1.52%	1
LIST	1.52%	1
MAPS	1.52%	1
O	1.52%	1
<b>Totals</b>	<b>100%</b>	<b>66</b>

Keyword(s): deque

Keyword Matches: 2

# VECTOR

# SET

LINKED LIST  
LIST  
DEQUE

MAPS  
DEQ  
BINARY SORT  
DOUBLE LINKED LIST

# MAP

SORTED VECTOR

2. Please do Question 2 which is displayed on the screen in class. (Short Answer)

Responses		
	Percent	Count
$O(N) (c)$	32.31%	21
$LOG(N)$	10.77%	7
$NLOG(N)$	7.69%	5
$O(N LOG N)$	6.15%	4
$O(N LOG(N))$	6.15%	4
$O(NLOGN)$	6.15%	4

NLOGN	4.62%	3
O(1)	4.62%	3
O(NLOG(N))	4.62%	3
O(LOG N)	3.08%	2
O(LOGN)	3.08%	2
1	1.54%	1
$N(c)$	1.54%	1
O(N LOG(N))	1.54%	1
O(LOG(N))	1.54%	1
O(N LOG (N))	1.54%	1
O(N*LOG(N))	1.54%	1
O (LOGN)	1.54%	1
<b>Totals</b>	<b>100%</b>	<b>65</b>

**Keyword(s):** O(n);n

**Keyword Matches:** 22

$O(N \cdot \log(N))$       $O(N \log N)$   
 $N \log N$       $N \log(N)$       $O(N \log(N))$

$O(\log N)$       $O(N)$       $O(\log(N))$   
 $O(1)$       $O(N)$       $O(N \log(N))$   
 $O(\log N)$       $O(\log N)$   
 $O(N \log(N))$       $O(N \log(N))$   
 $O(N \log(N))$       $O(N \log(N))$   
 $O(N \log(N))$       $O(N \log(N))$   
 $O(N \log(N))$       $O(N \log(N))$

3. Please do Question 3 which is displayed on the screen in class. (Short Answer)

Responses		
	Percent	Count
0X107 ( c )	41.27%	26
107	15.87%	10
0X263	4.76%	3
263	4.76%	3
0X87	3.17%	2
0	1.59%	1

0010 0110 0011	1.59%	1
01	1.59%	1
0107	1.59%	1
0111	1.59%	1
0X0000301	1.59%	1
0X0107	1.59%	1
0X108	1.59%	1
0X17	1.59%	1
0XF	1.59%	1
0XF4	1.59%	1
0XFF	1.59%	1
0XFFFF	1.59%	1
1	1.59%	1
100000101	1.59%	1
10000011	1.59%	1
47	1.59%	1
?	1.59%	1
OX67	1.59%	1
<b>Totals</b>	<b>100%</b>	<b>63</b>

**Keyword(s):** 0x107

**Keyword Matches:** 26



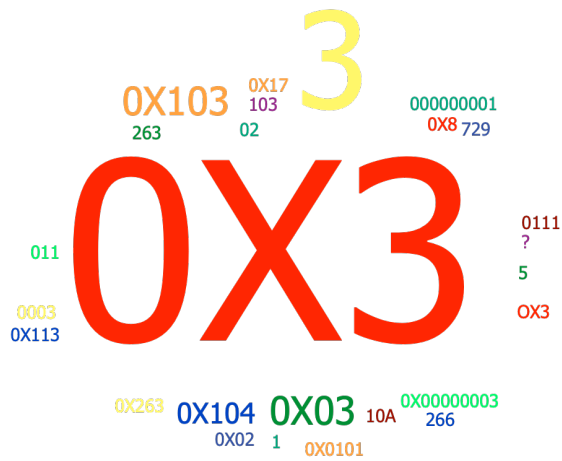
4. Please do Question 4 which is displayed on the screen in class. (Short Answer)

Responses		
	Percent	Count
0X3 ( c )	35.94%	23
3	18.75%	12
0X03	4.69%	3
0X103	4.69%	3
0X104	3.13%	2
00000001	1.56%	1

0003	1.56%	1
011	1.56%	1
0111	1.56%	1
02	1.56%	1
0X0000003	1.56%	1
0X0101	1.56%	1
0X02	1.56%	1
0X113	1.56%	1
0X17	1.56%	1
0X263	1.56%	1
0X8	1.56%	1
1	1.56%	1
103	1.56%	1
10A	1.56%	1
263	1.56%	1
266	1.56%	1
5	1.56%	1
729	1.56%	1
?	1.56%	1
OX3	1.56%	1
<b>Totals</b>	<b>100%</b>	<b>64</b>

**Keyword(s):** 0x3

**Keyword Matches:** 23



5. Please do Question 5 which is displayed on the screen in class. (Short Answer)

Responses		
	Percent	Count
0X104 ( c )	22.95%	14
104	11.48%	7
0X107	4.92%	3
0	3.28%	2
0X00	3.28%	2
0X100	3.28%	2



0X84	3.28%	2
0011	1.64%	1
0106	1.64%	1
0X0	1.64%	1
0X1159457	1.64%	1
0X14	1.64%	1
0X26	1.64%	1
0X2633	1.64%	1
0X5F5E164	1.64%	1
0X:(	1.64%	1
0XA6	1.64%	1
0XF8	1.64%	1
0XFF	1.64%	1
0XFFFC	1.64%	1
1	1.64%	1
10000	1.64%	1
100000111	1.64%	1
108	1.64%	1
1159457	1.64%	1
120	1.64%	1
260	1.64%	1
263	1.64%	1
263^3	1.64%	1
266	1.64%	1
3	1.64%	1
44	1.64%	1
789	1.64%	1
?	1.64%	1
0X64	1.64%	1
0XFB	1.64%	1
<b>Totals</b>	<b>100%</b>	<b>61</b>

**Keyword(s):** 0x104

**Keyword Matches:** 14

0XFF  
263 789  
108 0011 266  
260 0X0 3 44  
0X2633 0X100 104 0XF8  
0XA6  
0XFB  
0X104

120 0X64 0 ? 0X84 1 0X107 0X5F5E164  
0106 0X:(  
10000 0X26 0X00 0X1159457 0XFFFC  
263^3 0X14  
1159457 10000111