

Session Name: 17 - Big O 3-30-2023 10-21 AM

Date Created: 3/30/23, 10:14:30 AM Active Participants: 57 of 81

Average Score: 23.16% Questions: 5

## Results by Question

1. Please do question 1, displayed on the screens. If you need to do exponentiation, use the carat (^). (Short Answer)

	Responses	
	Percent	Count
O(N) ( c )	30.91%	17
O(N^2)	23.64%	13
N^2	5.45%	3
NLOG(N)	5.45%	3
NLOGN	3.64%	2
O(N^3)	3.64%	2
0(N^2)	1.82%	1
18	1.82%	1
2N	1.82%	1
5	1.82%	1
DEPENDS	1.82%	1
LOG N	1.82%	1
N	1.82%	1
N^N	1.82%	1
O(1)	1.82%	1
O(M*N)	1.82%	1
O(N LOG N)	1.82%	1
O(N^N)	1.82%	1
O(NLOGN)	1.82%	1
ON	1.82%	1
P * 1/2(B)	1.82%	1
<b>Totals</b>	<b>100%</b>	<b>55</b>

Keyword(s): O(n)

Keyword Matches: 17

$O(N^3)$     $N \log N$     $O(N \log N)$   
 $N^2$     $N \log(N)$     $O(1)$     $\log N$

$O(M \cdot N)$   
 $O(N^N)$     $5$   
 $2N$   
 $ON$

$O(N)$

DEPENDS  
 $P * 1/2(B)$   
 $O(N \log N)$   
 $O(N^2)$

$O(N^2)$

2. Please do question 2, displayed on the screens. If you need to do exponentiation, use the carat (^). (Short Answer)

Responses		
	Percent	Count
O(N)	25.93%	14
O(N^2) ( c )	16.67%	9
O(1)	12.96%	7
2N	3.7%	2
LOG(N)	3.7%	2
N	3.7%	2

N^2	3.7%	2
O(1)	1.85%	1
O(2N)	1.85%	1
1/3N	1.85%	1
4	1.85%	1
8	1.85%	1
A	1.85%	1
LOG 2	1.85%	1
LOG2^N	1.85%	1
N/180	1.85%	1
O(1/30)	1.85%	1
O(2N)	1.85%	1
O(30N)	1.85%	1
O(LOG N)	1.85%	1
O(LOGN)	1.85%	1
ON	1.85%	1
R/30	1.85%	1
<b>Totals</b>	<b>100%</b>	<b>54</b>

**Keyword(s):** O(n^2);O(n\*n)

**Keyword  
Matches:** 9

$O(\log N)$   
 $\log 2$

$O(1)$

$O(1/30)$   
 $N^2$

$N$

$N/180$

$O(30N)$   
 $O(\log N)$   
 $2N$   
 $O(N^4)$   
 $8$   
 $R/30$

$O(N)$

$A$   
 $\log_2^N$   
 $O(1)$   
 $\log(N)$   
 $O(2N)$   
 $O(2N)$

$1/3N$

$O(N^2)$

3. Please do question 3, displayed on the screens. If you need to do exponentiation, use the carat (^). (Short Answer)

Responses		
	Percent	Count
$O(N) (c)$	30.77%	16
$O(N^2)$	19.23%	10
$N$	9.62%	5
$O(\log N)$	9.62%	5
$N^2$	3.85%	2
$O(1/2N^2)$	1.92%	1

2	1.92%	1
2^N	1.92%	1
6	1.92%	1
A	1.92%	1
LOG <sub>2</sub> (N)	1.92%	1
LOGN	1.92%	1
NLOG(N)	1.92%	1
O(3N <sup>2</sup> )	1.92%	1
O(N LOG N)	1.92%	1
O(N/50 + 5*T)	1.92%	1
O(N/6*3)	1.92%	1
ON	1.92%	1
P * 1/2(B)	1.92%	1
<b>Totals</b>	<b>100%</b>	<b>52</b>

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

**Keyword Matches:** 16

$O(N/50 + 5 \cdot T)$   
 $O(N \log N)$   
 $\log_2(N)$

$N^2$

$N$

$O(\log N)$   
 $O(3N^2)$   
 $O(1/2N^2)$

$O(N)$

$2^N$   
 $\log N$   
 $O(N/6 \cdot 3)$

$O(N)$   
 $N \log(N)$   
 $P \cdot 1/2(B)$

$O(N^2)$

4. Please do question 4, displayed on the screens. If you need to do exponentiation, use the carat (^). (Short Answer)

Responses		
	Percent	Count
$O(N) (c)$	35.85%	19
$O(N \log N)$	7.55%	4
$N$	5.66%	3
$O(\log N)$	5.66%	3
$O(1)$	3.77%	2
$(N - 1) \cdot N / 2$	1.89%	1

(N-1) * N / 2	1.89%	1
(N/50) + (50/360)	1.89%	1
0(26/6+N/50)	1.89%	1
0(LOGN)	1.89%	1
2	1.89%	1
50N	1.89%	1
50X50X5	1.89%	1
A	1.89%	1
LOG(N)	1.89%	1
LOGN	1.89%	1
N/50	1.89%	1
N/50+250	1.89%	1
NLOGN	1.89%	1
O LOG(N)	1.89%	1
O(5N)	1.89%	1
O(LOGN)	1.89%	1
O(N)	1.89%	1
O(N)/60	1.89%	1
O(N/50+5)	1.89%	1
O(N^2)	1.89%	1
ON^2	1.89%	1
<b>Totals</b>	<b>100%</b>	<b>53</b>

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

**Keyword Matches:** 19

$O(N \log N)$

$O(N)$

$O(N^2)$

$N$

$O(\log N)$

$O(1)$

$O(5N)$

$50N \log(N) 50 \times 50 \times 5$

$A$

$N/50$

5. Please do question 5, displayed on the screens. If you need to do exponentiation, use the carat (^). (Short Answer)

Responses		
	Percent	Count
O(N)	18.87%	10
O(1)	16.98%	9
O(N^2)	11.32%	6
N	9.43%	5
O(2^N) ( c )	9.43%	5
2^N	5.66%	3



0(LOGN)	1.89%	1
1	1.89%	1
2^8	1.89%	1
A	1.89%	1
LOG(1)	1.89%	1
LOGAN	1.89%	1
N^2	1.89%	1
O()	1.89%	1
O(LOG N)	1.89%	1
O(LOG(N))	1.89%	1
O(LOGN)	1.89%	1
O(N LOG N)	1.89%	1
O(N/8*1^9)	1.89%	1
O(N^N)	1.89%	1
ON	1.89%	1
<b>Totals</b>	<b>100%</b>	<b>53</b>

**Keyword(s):** O(2^n)

**Keyword Matches:** 5

$O(N^2)$

$O(N^N)$   
 $N^2$  LOGAN

$O(\log N)$   
 $\log(1)^A$   
 $O(\log N)^1$   
 $2^8$

$O(N)$

$O(\log N)$   
 $O()$   
 $O(N)$   $O(\log(N))$   
 $O(N/8 \cdot 1^9)$   
 $2^N$

$O(N \log N)$

$O(1)$

$O(2^N)$