

Session Name: 18 - Stack 4-4-2023 10-37 AM

Date Created: 4/4/23, 10:27:35 AM Active Participants: 60 of 79

Average Score: 39.29% Questions: 7

## Results by Question

1. Please do question 1, which is on the screens in class. If you need exponentiation, please use the carat (^). (Short Answer)

	Responses	
	Percent	Count
O(N) ( c )	35.59%	21
N ( c )	28.81%	17
1	8.47%	5
O(1)	6.78%	4
O(N^2)	6.78%	4
0(N^2)	1.69%	1
0.00	1.69%	1
5^2	1.69%	1
F(2N)	1.69%	1
LOG(N)	1.69%	1
LOG2N	1.69%	1
O(LOGN)	1.69%	1
S^2	1.69%	1
<b>Totals</b>	<b>100%</b>	<b>59</b>

Keyword(s): n;O(n)

Keyword Matches: 38

O(LOGN) 5^2 1 N  
F(2N) S2^2

O(N)

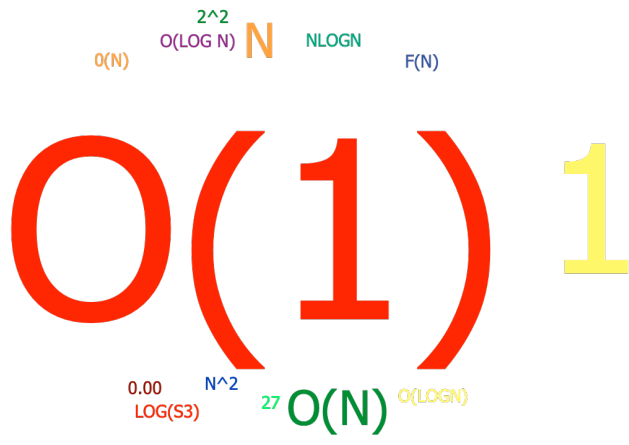
LOG2N O(N^2) O(1) LOG(N) O(N^2)  
0.00

2. Please do question 2, which is on the screens in class. If you need exponentiation, please use the carat (^). (Short Answer)

Responses		
	Percent	Count
O(1) ( c )	40.68%	24
1 ( c )	28.81%	17
N	6.78%	4
O(N)	6.78%	4
O(N)	1.69%	1
0.00	1.69%	1

27	1.69%	1
2^2	1.69%	1
F(N)	1.69%	1
LOG(S3)	1.69%	1
N^2	1.69%	1
NLOGN	1.69%	1
O(LOG N)	1.69%	1
O(LOGN)	1.69%	1
<b>Totals</b>	<b>100%</b>	<b>59</b>

**Keyword(s):** 1;O(1)  
**Keyword Matches:** 41



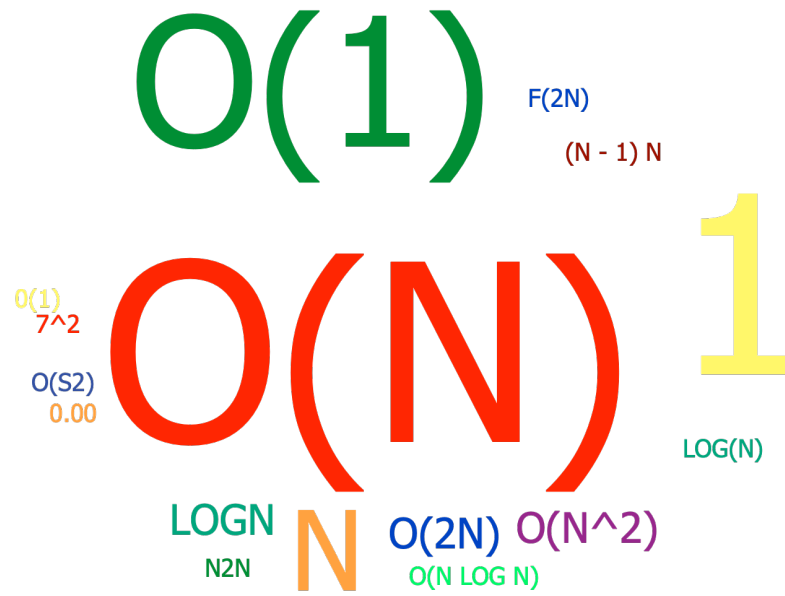
3. Please do question 3, which is on the screens in class. If you need exponentiation,

please use the carat (^). (Short Answer)

Responses		
	Percent	Count
1	23.73%	14
O(N) ( c )	23.73%	14
O(1)	16.95%	10
N ( c )	10.17%	6
LOGN	3.39%	2
O(2N)	3.39%	2
O(N^2)	3.39%	2
(N - 1) N	1.69%	1
0(1)	1.69%	1
0.00	1.69%	1
7^2	1.69%	1
F(2N)	1.69%	1
LOG(N)	1.69%	1
N2N	1.69%	1
O(N LOG N)	1.69%	1
O(S2)	1.69%	1
<b>Totals</b>	<b>100%</b>	<b>59</b>

Keyword(s): n;O(n)

Keyword Matches: 20



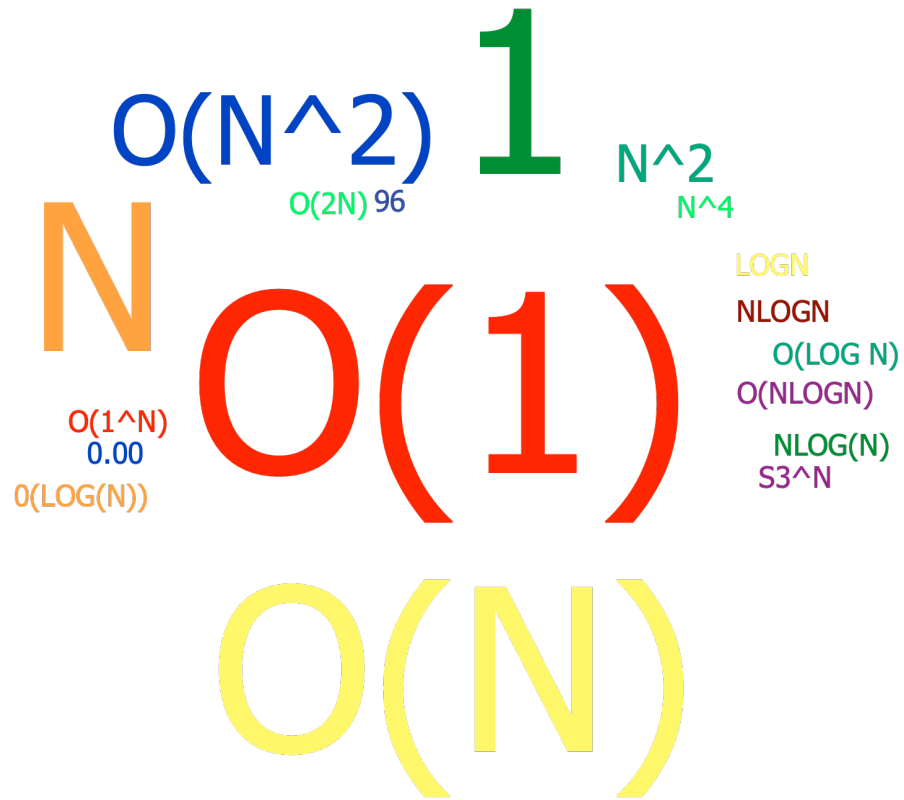
4. Please do question 4, which is on the screens in class. If you need exponentiation, please use the carat (^). (Short Answer)

Responses		
	Percent	Count
$O(1) (c)$	18.97%	11
$1 (c)$	17.24%	10
$O(N)$	17.24%	10
$N$	15.52%	9
$O(N^2)$	6.9%	4
$N^2$	3.45%	2

0(LOG(N))	1.72%	1
0.00	1.72%	1
96	1.72%	1
LOGN	1.72%	1
N^4	1.72%	1
NLOG(N)	1.72%	1
NLOGN	1.72%	1
O(1^N)	1.72%	1
O(2N)	1.72%	1
O(LOG N)	1.72%	1
O(NLOGN)	1.72%	1
S3^N	1.72%	1
<b>Totals</b>	<b>100%</b>	<b>58</b>

**Keyword(s):** 1;O(1)

**Keyword Matches:** 21



5. Please do question 5, which is on the screens in class. If you need exponentiation, please use the carat (^). (Short Answer)

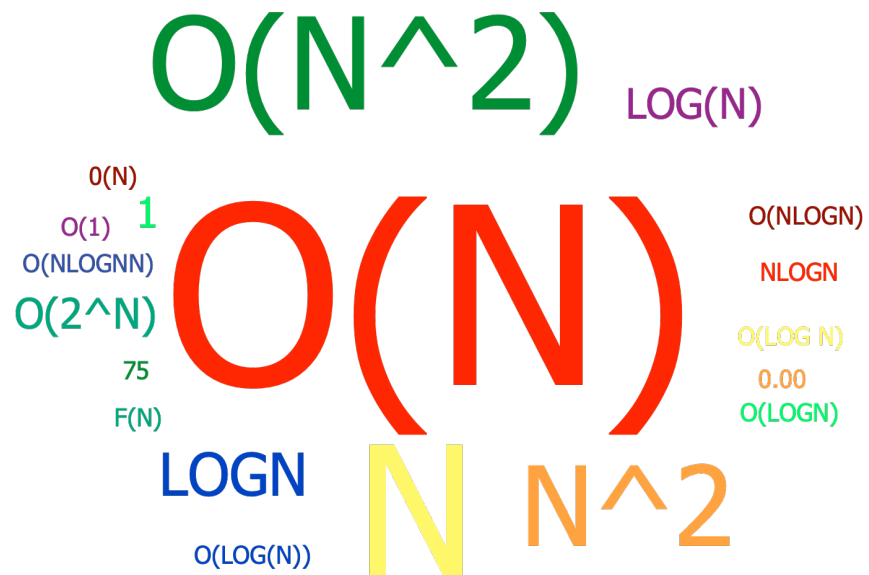
Responses		
	Percent	Count
O(N)	24.56%	14
N	17.54%	10
$O(N^2)$ (c)	12.28%	7
$N^2$ (c)	10.53%	6
LOGN	5.26%	3
1	3.51%	2

LOG(N)	3.51%	2
O(2^N)	3.51%	2
O(N)	1.75%	1
0.00	1.75%	1
75	1.75%	1
F(N)	1.75%	1
NLOGN	1.75%	1
O(1)	1.75%	1
O(LOG N)	1.75%	1
O(LOG(N))	1.75%	1
O(LOGN)	1.75%	1
O(NLOGN)	1.75%	1
O(NLOGNN)	1.75%	1
<b>Totals</b>	<b>100%</b>	<b>57</b>

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

**Keyword Matches:** 13



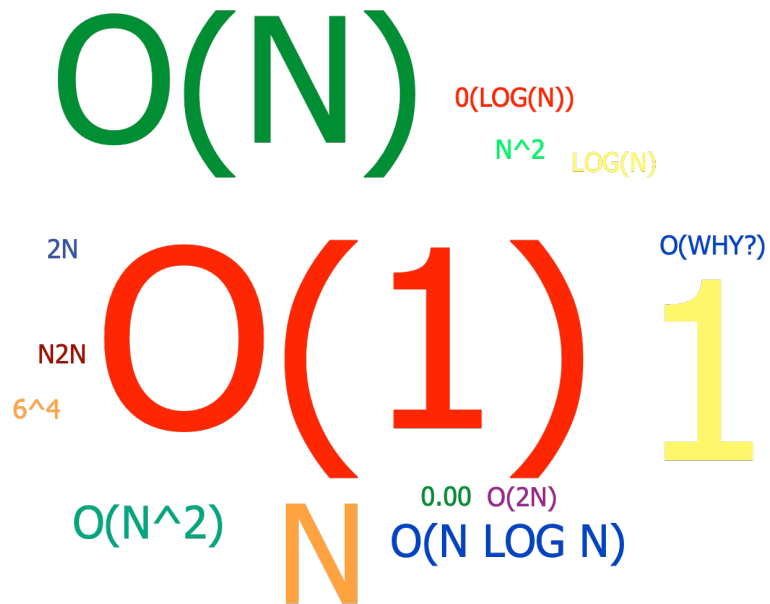


6. Please do question 6, which is on the screens in class. If you need exponentiation, please use the carat (^). (Short Answer)

Responses		
	Percent	Count
1	23.64%	13
O(1)	23.64%	13
O(N)	16.36%	9
N	12.73%	7
O(N LOG N)	3.64%	2
$O(N^2)$ ( c )	3.64%	2

O(LOG(N))	1.82%	1
0.00	1.82%	1
2N	1.82%	1
6^4	1.82%	1
LOG(N)	1.82%	1
N2N	1.82%	1
N^2 ( c )	1.82%	1
O(2N)	1.82%	1
O(WHY?)	1.82%	1
<b>Totals</b>	<b>100%</b>	<b>55</b>

**Keyword(s):** n^2;n\*n;O(n^2);O(n\*n)  
**Keyword Matches:** 3



7. Please do question 7, which is on the screens in class. If you need exponentiation, please use the carat (^). (Short Answer)

Responses		
	Percent	Count
O(N) ( c )	29.09%	16
N ( c )	23.64%	13
O(1)	20%	11
1	16.36%	9
0(1)	1.82%	1
0.00	1.82%	1
10^7	1.82%	1
LOG(N)	1.82%	1
O(LOGN)	1.82%	1
O(NLOG(N))	1.82%	1
<b>Totals</b>	<b>100%</b>	<b>55</b>

Keyword(s): n;O(n)

Keyword Matches: 29

1 N

$O(N \log(N))$

$O(1)$

0.00

$O(N)$

$10^7$

$O(\log N)$

$O(1)$