

Session Name: 21 - Recursion 4-20-2023 10-47 AM

Date Created: 4/20/23, 10:38:08 AM Active Participants: 59 of 76

Average Score: 38.31% Questions: 5

## Results by Question

1. Please do question 1, which is displayed on the screens in class. (Numeric Response)

| Responses |         |       |                              |
|-----------|---------|-------|------------------------------|
|           | Percent | Count |                              |
| 6 ( c )   | 60.34%  | 35    |                              |
| 166       | 17.24%  | 10    |                              |
| 16        | 6.9%    | 4     |                              |
| 0         | 1.72%   | 1     |                              |
| 1.66      | 1.72%   | 1     |                              |
| 3.1       | 1.72%   | 1     |                              |
| 4         | 1.72%   | 1     |                              |
| 5         | 1.72%   | 1     |                              |
| 11        | 1.72%   | 1     |                              |
| 16.6      | 1.72%   | 1     |                              |
| 36        | 1.72%   | 1     | Acceptable Value: 6          |
| 5016      | 1.72%   | 1     | Acceptable Value Matches: 35 |
| Totals    | 100%    | 58    | Range: -                     |
|           |         |       | Values In Range: -           |

2. Please do question 2, which is displayed on the screens in class. (Numeric Response)

| Responses |         |       |  |
|-----------|---------|-------|--|
|           | Percent | Count |  |
| 4 ( c )   | 56.9%   | 33    |  |
| 22        | 10.34%  | 6     |  |
| 224       | 5.17%   | 3     |  |
| 2212214   | 5.17%   | 3     |  |

|               |             |           |
|---------------|-------------|-----------|
| 16            | 3.45%       | 2         |
| 222222        | 3.45%       | 2         |
| 1             | 1.72%       | 1         |
| 2             | 1.72%       | 1         |
| 2.2           | 1.72%       | 1         |
| 2.21          | 1.72%       | 1         |
| 8             | 1.72%       | 1         |
| 25            | 1.72%       | 1         |
| 222           | 1.72%       | 1         |
| 1111          | 1.72%       | 1         |
| 1222          | 1.72%       | 1         |
| <b>Totals</b> | <b>100%</b> | <b>58</b> |

**Acceptable Value:** 4  
**Acceptable Value Matches:** 33  
**Range:** -  
**Values In Range:** -

3. Please do question 3, which is displayed on the screens in class. (Short Answer)

| Responses          |         |       |
|--------------------|---------|-------|
|                    | Percent | Count |
| 2,3 1,3 2,2 ( c )  | 21.05%  | 12    |
| 12                 | 17.54%  | 10    |
| 6                  | 7.02%   | 4     |
| 23                 | 5.26%   | 3     |
| 23236              | 3.51%   | 2     |
| 236                | 3.51%   | 2     |
| 1,2 2,1 12         | 1.75%   | 1     |
| 1,3                | 1.75%   | 1     |
| 1122               | 1.75%   | 1     |
| 132223             | 1.75%   | 1     |
| 144                | 1.75%   | 1     |
| 18                 | 1.75%   | 1     |
| 2 3 1 3 2 2 1 2 12 | 1.75%   | 1     |
| 2 3 12             | 1.75%   | 1     |

|                          |             |           |
|--------------------------|-------------|-----------|
| 2, 3 1, 2, 2             | 1.75%       | 1         |
| 2, 3 1, 3 2, 2 1, 2 2, 1 | 1.75%       | 1         |
| 2, 3, 9                  | 1.75%       | 1         |
| 2,3                      | 1.75%       | 1         |
| 2,3 1,3 2,2 2,1 6        | 1.75%       | 1         |
| 2,3 1,3 3                | 1.75%       | 1         |
| 2,3 1,3 3,1 6            | 1.75%       | 1         |
| 2,3 12                   | 1.75%       | 1         |
| 2,32                     | 1.75%       | 1         |
| 2,3\N4                   | 1.75%       | 1         |
| 23 13 22                 | 1.75%       | 1         |
| 23122212213              | 1.75%       | 1         |
| 2313                     | 1.75%       | 1         |
| 2323133228               | 1.75%       | 1         |
| 8                        | 1.75%       | 1         |
| O(F)                     | 1.75%       | 1         |
| <b>Totals</b>            | <b>100%</b> | <b>57</b> |

**Keyword(s):** 2,3 1,3 2,2

**Keyword Matches:** 12



4. Please do question 4, which is displayed on the screens in class. (Short Answer)

| Responses        |         |       |
|------------------|---------|-------|
|                  | Percent | Count |
| POST ORDER ( c ) | 15.79%  | 9     |
| PREORDER         | 15.79%  | 9     |
| POSTORDER ( c )  | 14.04%  | 8     |
| POST-ORDER       | 5.26%   | 3     |
| PRE-ORDER        | 5.26%   | 3     |
| IN ORDER         | 3.51%   | 2     |
|                  |         |       |

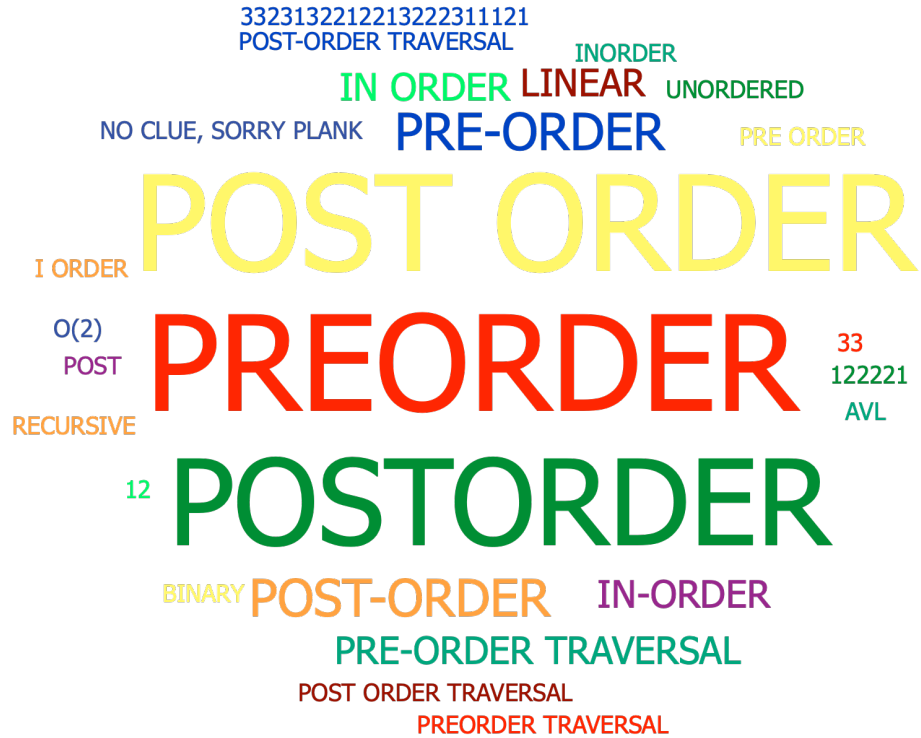
|                         |             |           |
|-------------------------|-------------|-----------|
| IN-ORDER                | 3.51%       | 2         |
| LINEAR                  | 3.51%       | 2         |
| PRE-ORDER<br>TRAVERSAL  | 3.51%       | 2         |
| 12                      | 1.75%       | 1         |
| 122221                  | 1.75%       | 1         |
| 33                      | 1.75%       | 1         |
| 3323132212213222311121  | 1.75%       | 1         |
| AVL                     | 1.75%       | 1         |
| BINARY                  | 1.75%       | 1         |
| I ORDER                 | 1.75%       | 1         |
| INORDER                 | 1.75%       | 1         |
| NO CLUE, SORRY<br>PLANK | 1.75%       | 1         |
| O(2)                    | 1.75%       | 1         |
| POST                    | 1.75%       | 1         |
| POST ORDER<br>TRAVERSAL | 1.75%       | 1         |
| POST-ORDER<br>TRAVERSAL | 1.75%       | 1         |
| PRE ORDER               | 1.75%       | 1         |
| PREORDER<br>TRAVERSAL   | 1.75%       | 1         |
| RECURSIVE               | 1.75%       | 1         |
| UNORDERED               | 1.75%       | 1         |
| <b>Totals</b>           | <b>100%</b> | <b>57</b> |

**Keyword(s):**

postorder;post order

**Keyword  
Matches:**

17



5. Please do question 5, which is displayed on the screens in class. (Numeric Response)

| Responses |         |       |
|-----------|---------|-------|
|           | Percent | Count |
| 144 ( c ) | 30.19%  | 16    |
| 9         | 9.43%   | 5     |
| 16        | 9.43%   | 5     |
| 21        | 9.43%   | 5     |
| 33        | 5.66%   | 3     |
| 0         | 3.77%   | 2     |

|               |             |           |                                  |     |
|---------------|-------------|-----------|----------------------------------|-----|
| 2             | 3.77%       | 2         |                                  |     |
| 3             | 3.77%       | 2         |                                  |     |
| 4             | 1.89%       | 1         |                                  |     |
| 6             | 1.89%       | 1         |                                  |     |
| 8             | 1.89%       | 1         |                                  |     |
| 10            | 1.89%       | 1         |                                  |     |
| 11            | 1.89%       | 1         |                                  |     |
| 22            | 1.89%       | 1         |                                  |     |
| 24            | 1.89%       | 1         |                                  |     |
| 36            | 1.89%       | 1         |                                  |     |
| 288           | 1.89%       | 1         |                                  |     |
| 420           | 1.89%       | 1         |                                  |     |
| 500           | 1.89%       | 1         |                                  |     |
| 3323          | 1.89%       | 1         |                                  |     |
| 211222313233  | 1.89%       | 1         |                                  |     |
| <b>Totals</b> | <b>100%</b> | <b>53</b> | <b>Acceptable Value:</b>         | 144 |
|               |             |           | <b>Acceptable Value Matches:</b> | 16  |
|               |             |           | <b>Range:</b>                    | -   |
|               |             |           | <b>Values In Range:</b>          | -   |