PL UID: 0

Question 1: tree traversal find all

Question 1.1: In-Order

INCORRECT

Expected: WHOVILLE

wretwetrwretert

Question 1.2: Pre-Order

INCORRECT

Expected: LHWIVOLE

oraoraora

Question 1.3: Post-Order

{"tree": "digraph {\nranksep=0.25;\nnode [shape=circle fontsize=18 margin=\"0.03,0.03\"]\nedge [arrowsize=0.5]\n 6 [label=\"L\"]6 -> 1 [arrowsize=0.5]\n 1 [label=\"H\"]1 -> 0 [arrowsize=0.5]\n 0

-> 3 [arrowsize=0.5]\n 3 [label=\"V\"]3 -> 2 [arrowsize=0.5]\n 2 [label=\"O\"]invis_3_2 $^{-}$

 $[label=\"\",width=.1,style=invis]\n3 -> invis_3_2 [style=invis]\ninvis_3_3 [label=\"\",width=.1,style=invis]\n3 -> invis_3_2 [style=invis]\n3 -> invis_3_2 [style=invis]\n3 -> invis_3_3 [label=\"\",width=.1,style=invis]\n3 -> invis_3_3 [label=\"\",width=.1,style=invis_3_3 [$

-> invis_3_3 [style=invis]\ninvis_4_2 [label=\"\",width=.1,style=invis]\n4 -> invis_4_2 [style=invis]\n4 -> $5\n 5$

 $[label=\"L\"]invis_6_2 \quad [label=\"\",width=.1,style=invis]\noalign{\color=0.9\textwidth=.1,style=invis]\noalign{\color=0.$

 $[label=\"E\"]\n}"$

INCORRECT

Expected: WHOVILLE

rerorerorero

Question 1.4: Level-Order

INCORRECT

Expected: LHEWIVLO

435345

Question 2: h1_2020S_2a_msamericana	
Question 2.1: Array A	
No context provided.	
PARTIAL	
r1	

['F', 'G', 'H', 'M', 'K', 'T', 'D', 'B']

{"res1": [{"key": "a", "html": "inv A(i)"}, {"key": "b", "html": "inv B(i)"}, {"key": "c", "html": "fact A"}, {"key": "d", "html": "fact B"}, {"key": "e", "html": "line 4"}, {"key": "f", "html": "line 5"}, {"key": "g", "html": "line 6"}], "res2": [{"key": "a", "html": "inv A(i)"}, {"key": "b", "html": "inv B(i)"}, {"key": "c", "html": "fact A"}, {"key": "d", "html": "fact B"}, {"key": "e", "html": "line 4"}, {"key": "f", "html": "line 5"}, {"key": "g", "html": "line 6"}], "res3": [{"key": "a", "html": "line 4"}, {"key": "b", "html": "line 5"}, {"key": "c", "html": "line 6"}], "res4": [{"key": "a", "html": "\$\\Theta(1)\$"}, {"key": "b", "html": "\$\\Theta(\\log n)\$"}, {"key": "c", "html": "f", "html": "\$\\Theta(n)\$"}, {"key": "e", "html": "\$\\Theta(n)\$"}, {"key": "f", "html": "\$\\Theta(n)\$"}, {"key": "b", "html": "s\\Theta(n)\$"}, {"key": "b", "html": "inv B(i)"}, "res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "res5": [{"key": "a", "html": "inv B(i)"}, "res5": [{"key": "a", "html": "inv B(i)"}, "res5": ["playListAns.cpp", "mdtest.md", "picture.png"]}

Parti	ΑL
-------	----

Expected:

a:inv	A(i)b:inv B(i)c:fact A	l:fact Be:line 4f:li	ne 5g:line 6		
PART	IAL				
Expec	ted Answer(s)				
b:inv	B(i)c:fact Ad:fact B				

Question 2.3: res1

[

Question 2.4: res2

[{"key": "a", "html": "inv A(i)"}, {"key": "b", "html": "inv B(i)"}, {"key": "c", "html": "fact A"}, {"key": "d", "html": "fact B"}, {"key": "e", "html": "line 4"}, {"key": "f", "html": "line 5"}, {"key": "g", "html": "line 6"}]

PARTIAL

Expected: {'key': 'c', 'html': 'fact A'}

h

Question 2.5: res3

[{"key": "a", "html": "line 4"}, {"key": "b", "html": "line 5"}, {"key": "c", "html": "line 6"}]

PARTIAL

Expected: {'key': 'c', 'html': 'line 6'}

b

PARTIAL

Expected: {'key': 'e', 'html': '\$\\Theta(n^2)\$'}

b

Question 2.7: res5

[{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv A(i)"}]

PARTIAL

Expected: {'key': 'b', 'html': 'inv A(i)'}

b

Question 2.8: InvAL
No context provided.
PARTIAL
No expected answer provided.
InvAL: 5
InvAL: 5 Variables: []

Question 2.9: InvAU
No context provided.
PARTIAL
No expected answer provided.
InvAU: 5
Variables: []

Question 2.10: variL
No context provided.
PARTIAL
No expected answer provided.
no expected answer provided.
no expected answer provided.
variL: 4
variL: 4

Question 2.11: variU		
No context provided.		
PARTIAL		
No expected answer provided.		
variU: 5		
Variables: []		

Question 2.12: basecase	
No context provided.	
	_
PARTIAL	
No expected answer provided.	
pasecase: 345	
Variables: []	

Question 2.13: iteration		
No context provided.		
PARTIAL		
No expected answer provided.		
iteration: 0		
Variables: []		

_
_

Question 2.15: findNextTrueU
No context provided.
PARTIAL
No expected answer provided.
findNextTrueU: 0
Variables: []

Question 2.16: findNextFalseL
No context provided.
PARTIAL
No expected answer provided.
findNextFalseL: 243
Variables: []

Question 2.17: findNextFalseU
No context provided.
PARTIAL
No expected answer provided.
findNextFalseU: 243
Variables: []

{"res1": [{"key": "a", "html": "inv A(i)"}, {"key": "b", "html": "inv B(i)"}, {"key": "c", "html": "fact A"}, {"key": "d", "html": "fact B"}, {"key": "e", "html": "line 4"}, {"key": "f", "html": "line 5"}, {"key": "g", "html": "line 6"}], "res2": [{"key": "a", "html": "inv A(i)"}, {"key": "b", "html": "inv B(i)"}, {"key": "c", "html": "fact A"}, {"key": "d", "html": "fact B"}, {"key": "e", "html": "line 4"}, {"key": "f", "html": "line 5"}, {"key": "g", "html": "line 6"}], "res3": [{"key": "a", "html": "line 4"}, {"key": "b", "html": "line 5"}, {"key": "c", "html": "line 6"}], "res4": [{"key": "a", "html": "\$\\Theta(1)\$"}, {"key": "b", "html": "\$\\Theta(\\log n)\$"}, {"key": "c", "html": "\$\\Theta(n^2)\$"}, {"key": "f", "html": "\$\\Theta(n)\$"}, {"key": "c", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "res5": ["playListAns.cpp", "mdtest.md", "picture.png"]}

Parti	ΑL
-------	----

Expected:

{"res1": [{"key": "a", "html": "inv A(i)"}, {"key": "b", "html": "inv B(i)"}, {"key": "c", "html": "fact A"}, {"key": "d", "html": "fact B"}, {"key": "e", "html": "line 4"}, {"key": "f", "html": "line 5"}, {"key": "g", "html": "line 6"}], "res2": [{"key": "a", "html": "inv A(i)"}, {"key": "b", "html": "inv B(i)"}, {"key": "c", "html": "fact A"}, {"key": "d", "html": "fact B"}, {"key": "e", "html": "line 4"}, {"key": "f", "html": "line 5"}, {"key": "g", "html": "line 6"}], "res3": [{"key": "a", "html": "line 4"}, {"key": "b", "html": "line 5"}, {"key": "c", "html": "line 6"}], "res4": [{"key": "a", "html": "\$\\Theta(1)\$"}, {"key": "b", "html": "\$\\Theta(\\log n)\$"}, {"key": "c", "html": "\$\\Theta(n^2)\$"}, {"key": "f", "html": "\$\\Theta(n)\$"}, {"key": "c", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "_res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "_res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "_res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "_res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "_res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}, "_res5": [{"key": "a", "html": "inv B(i)"}, {"key": "b", "html": "inv B(i)"}]

PARTI	ΑL
-------	----

Expected:

No context provided.

PARTIAL

No expected answer provided.

playListAns.cpp

```
void playList(vector<char> &A)
{
  bool Tay = // YOUR CODE HERE!!
   for (int i = 1; i < A.size(); i++)
  {
    int next = findNext(A, i, Tay);
    swap(A[next], A[i]);
    Tay = !Tay;
}</pre>
```

This is a blank page.

Phrase Emphasis

Markdown: Some of these words are emphasized. Some of these words are emphasized also. Use two asterisks for strong emphasis. Or, if you prefer, use two underscores instead.

Lists

- Red
- Green
- Blue

Ordered (numbered) lists use regular numbers, followed by periods, as list markers:

- 1. Red
- 2. Green
- 3. Blue

Code

This is a code indent!

To specify an entire block of pre formatted code, indent every line of the block by 4 spaces or 1 tab. Just like with code spans, &, <, and > characters will be escaped automatically.

This is a blank page.

picture.png



This is a blank page.

Question 2: Iq02_2a_bestworst

Question 2.1: students

 $\label{thm:condition} \begin{tabular}{ll} \b$

"html": "\n The worst case running time of this function is $\$ \\Omega(n)\\$.\n "\}]

INCORRECT

Expected: $[{'key': 'b', 'html': 'n The worst case running time of this function is <math>\langle h' \rangle$

а

Question 1: lq03_1a_inssortitnum

Question 1.1: int_value

{"a": [14, 42, 95, 95, 95, 30, 97, 95, 91, 21, 76, 82, 57, 61, 0, 56]}

INCORRECT

Expected: 5

98