PL UID: dev

{"heap_array": [{"key": "a", "html": "\n The third-smallest element is at either \${\\tt arr[2]}\$ or \${\\tt arr[3]}\$.\n "}, {"key": "b", "html": "\n Using the heap to sort the array is asymptotically as efficient as using mergeSort.\n "}, {"key": "c", "html": "\n Swapping the last and the second last element in the array results in another valid heap.\n "}, {"key": "d", "html": "\n The heap order property may be violated by swapping the contents of two adjacent locations in \${\\tt arr}\$ so that\n the first is now smaller than the second.\n "}]}

Question 1.1: heap_array

INCORRECT: 0

[{'key': 'b', 'html': '\n Using the heap to sort the array is asymptotically as efficient as using mergeSort.\n '}, {'key': 'd', 'html': '\n The heap order property may be violated by swapping the contents of two adjacent locations in \${\\tan{1}} so that\n the first is now smaller than the second.\n '}]

['a', 'c']

{"input": {"_type": "dataframe", "_value": {"data": [[85, 32, 88, 61, 52, 5, 46, 37, 13, 72]], "index": ["key"], "columns": [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]}}}

Question 2.1: arr

INCORRECT: 0

[5, 13, 46, 32, 52, 88, 85, 37, 61, 72]

[89, 8, 890, 89, 890, 809, 809, 89, 89, 89]

-answer

correct='true'>59</pl-answer>\n<pl-answer>\n<pl-answer>\n<pl-answer>\n<pl-answer>\n<pl-answer>\n<pl-answer>\n<pl-answer>"; "inserted_values":

"<pl-answer>16</pl-answer>\n<pl-answer>20</pl-answer>\n<pl-answer

correct='true'>21</pl-answer>\n<pl-answer>23</pl-answer>\n<pl-answer
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{"key": "k", "html": "95"}]}
Question 3.1: heap_manipulation_insert
INCORRECT: 0
Expected: [{'key': 'c', 'html': '21'}, {'key': 'e', 'html': '53'}, {'key': 'g', 'html': '59'}]

f

INCORRECT: 0

Expected: [{'key': 'a', 'html': '16'}, {'key': 'b', 'html': '20'}, {'key': 'd', 'html': '23'}, {'key': 'g', 'html': '59'}]

b

Question 1: disjt_unions

{"n": 15, "arr": {"_type": "dataframe", "_value": {"data": [[3, -1, 14, -11, 14, 14, 7, -3, 3, 7, 3, 12, 3, 12, 3]], "index": ["arr"], "columns": [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14]}}, "bigdata": 82309, "bigunions": 44123}

Question 1.1: height

INCORRECT: 0

Expected: 2

890

Question 1.2: unions		
INCORRECT: 0		
Expected: 12		

Question 1.3: uptreenum	-		
INCORRECT: 0			
Expected: 38186			

INCORRECT: 0

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>
```

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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.



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