Finding in a list:

```
#include "List.h"
ListNode *& List::_find(unsigned index) const {
    /* ... */
}
```

What is the return type of _find?

Building functionality with _find():

```
T & List::get(unsigned index) const {
    /* ... */
}
```

List Implementation #2:

```
#ifndef LIST_H
#define LIST_H
template <class T>
class List {
public:
    /* ... */
private:
    /* ... */
    };;
#endif
```
Array - Implementation Details:

1. What is the running time of `insertFront()`?

2. What is our resize strategy?

   Resize Strategy #1:

   Resize Strategy #2:

3. What is the running time of `get()`?

   Singly Linked List | Array
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Insert/Remove at front</td>
<td></td>
</tr>
<tr>
<td>Insert after a given element</td>
<td></td>
</tr>
<tr>
<td>Remove after a given element</td>
<td></td>
</tr>
<tr>
<td>Insert at arbitrary location</td>
<td></td>
</tr>
<tr>
<td>Remove at arbitrary location</td>
<td></td>
</tr>
</tbody>
</table>

Stack ADT

<table>
<thead>
<tr>
<th>Function Name</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<tr>
<td></td>
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</tr>
</tbody>
</table>

CS 225 – Things To Be Doing:

1. Programming Exam A starts Feb. 13 (6 days from today)
2. MP2 due Feb. 12 (5 days from now), earn extra credit starting early!
3. Lab Extra Credit → Attendance in your registered lab section!
4. Daily POTDs