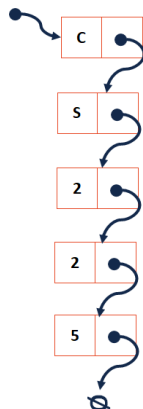


Running times of List operations:

	Singly Linked List	Array
Insert/Remove at front		
Insert at given location		
Remove at given location		
Insert at arbitrary location		
Remove at arbitrary location		



Stack Implementation #1: _____

```

Stack.h
1 #ifndef STACK_H
2 #define STACK_H
3
4 template <class T>
5 class Stack {
6     public:
7
8
9
10
11
12
13     private:
14
15
16
17
18 };
19 #endif

```

```

Stack.cpp
1 #include "Stack.h"
2
3 void Stack::push(T & t) {
4
5
6
7
8
9
10 }
11
12 T & Stack::pop() {
13
14
15
16
17
18
19 }

```

1. A stack is a _____ data structure.
...that stands for:

Stack Implementation #2: _____

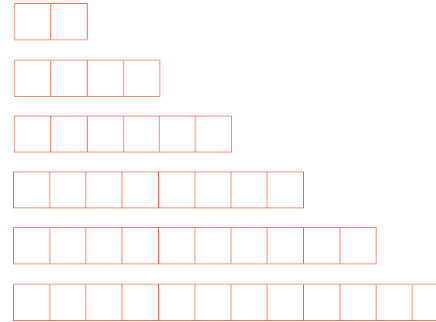
```
Stack.h
1 #ifndef STACK_H
2 #define STACK_H
3
4 template <class T>
5 class Stack {
6     public:
7
8
9
10
11
12
13     private:
14
15
16
17
18 };
19 #endif
```

```
T* arr: [ C  S  2  2  5  ]
         [0] [1] [2] [3] [4]
```

```
Stack.cpp
1 #include "Stack.h"
2
3 void Stack::push(T & t) {
4
5
6
7
8
9
10 }
11
12 T & Stack::pop() {
13
14
15
16
17
18
19 }
```

Resize Strategy – Details:

Strategy #1:



Strategy #2:



CS 225 – Things To Be Doing:

1. Exam #3 starts Monday
2. MP2 is due Sept. 25
3. Lab Extra Credit → Attendance in your registered lab section!
4. Daily POTDs