

Time comparison between Array implemented Stack and a LinkedList implemented Stack

Considered an array with 15 indexes. Here are some test runs.

```
41 67 34 0 69 24 78 58 62 64 0 0 0 0 0
41 67 34 0 69 24 78 58 62 64 0 0 0 0 0
41 67 34 0 69 5 45 81 27 64 0 0 0 0 0
Time : 4985
```

```
41 67 34 0 69 24 78 58 62 64 0 0 0 0 0
41 67 34 0 69 24 78 58 62 64 0 0 0 0 0
41 67 34 0 69 5 45 81 27 64 0 0 0 0 0
Time : 5065
```

Here is a test run from linkedlist implemented stack.

```
64 62 58 78 24 69 0 34 67 41
69 0 34 67 41
27 81 45 5 69 0 34 67 41
Time : 3998
```

As we can see Array implementation took more operation time than the linkedlist implementation.

Codes : <https://github.com/Thejas0604/CSE-labs/tree/main/Lab%2006>