

<https://github.com/charleskhu675/Object-Oriented-Programming-C-Plus-Plus>

```
Before-----  
Array - Each int is worth 4 bytes  
Value: 100 at Memory Location: 00000045837ff970  
Value: 101 at Memory Location: 00000045837ff974  
Value: 102 at Memory Location: 00000045837ff978  
Value: 103 at Memory Location: 00000045837ff97c  
Value: 104 at Memory Location: 00000045837ff980
```

```
After-----  
Array - Each int is worth 4 bytes  
Value: 110 at Memory Location: 00000045837ff970  
Value: 111 at Memory Location: 00000045837ff974  
Value: 112 at Memory Location: 00000045837ff978  
Value: 113 at Memory Location: 00000045837ff97c  
Value: 114 at Memory Location: 00000045837ff980  
PS C:\Users\Charles\Documents\GitHub\Object-Oriented-Programming-C-Plus-Plus\labs\lab2>
```

```
Before Increment-----  
Vector - Each int is worth 4 bytes  
Value: 100 at Memory Location: 0x1a37fa7e8e0  
Value: 101 at Memory Location: 0x1a37fa7e8e4  
Value: 102 at Memory Location: 0x1a37fa7e8e8  
Value: 103 at Memory Location: 0x1a37fa7e8ec  
Value: 104 at Memory Location: 0x1a37fa7e8f0
```

```
After Increment-----  
Vector - Each int is worth 4 bytes  
Value: 110 at Memory Location: 0x1a37fa7e8e0  
Value: 111 at Memory Location: 0x1a37fa7e8e4  
Value: 112 at Memory Location: 0x1a37fa7e8e8  
Value: 113 at Memory Location: 0x1a37fa7e8ec  
Value: 114 at Memory Location: 0x1a37fa7e8f0
```

```
After Pop-----  
Vector - Each int is worth 4 bytes  
Value: 110 at Memory Location: 0x1a37fa7e8e0  
Value: 111 at Memory Location: 0x1a37fa7e8e4  
Value: 112 at Memory Location: 0x1a37fa7e8e8  
Value: 113 at Memory Location: 0x1a37fa7e8ec
```

```
After Push-----  
Vector - Each int is worth 4 bytes  
Value: 110 at Memory Location: 0x1a37fa83cd0  
Value: 111 at Memory Location: 0x1a37fa83cd4  
Value: 112 at Memory Location: 0x1a37fa83cd8  
Value: 113 at Memory Location: 0x1a37fa83cdc  
Value: 101 at Memory Location: 0x1a37fa83ce0  
Value: 102 at Memory Location: 0x1a37fa83ce4  
PS C:\Users\Charles\Documents\GitHub\Object-Oriented-Programming-C-Plus-Plus\labs\lab2>
```