

## Strings in more detail

Just a specialization of vector with some added features

(it's like `vector<char>`, which is why you don't need to supply a type)

<u>vector</u>	<u>String</u>
<code>v.push_back(x);</code>	<code>s += x;</code> (x could be a char, or a string)
<code>v.size();</code>	<code>s.length();</code>
<code>v[i]</code>	<code>s[i]</code>

read/write access, but be sure that `size/length > i`.

Exercise: write a function that takes a string & returns a string with all the lower case letters removed.

E.g. "Hello\_class" → "H\_C"

```
string removeLower(const string& s) {  
    string r; // return value.  
    for (size_t i = 0; i < s.length(); i++) {  
        // if (s[i] is not lower case)  
        if (s[i] < 'a' || s[i] > 'z')  
            r += s[i];  
    }  
}
```

```
return r;
```

```
}
```

