String Input Examples

Given an input filestream (assume that a tab separates the strings, though any whitespace works):

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 10   | World

After executing:

```cpp
int Num;
string Str;

InFile >> Num >> Str;
```

The variable Num has a value of 10 and the variable Str holds “World”. Notice that the extraction operator ignores the leading whitespace (the tab) before the second string. However, a problem is encountered if we attempt to use a getline for the string:

```cpp
InFile >> Num;
getline(inFile, Str);
```

The value of Num is still 10, but Str is now “\tWorld”. Why? The extraction operator stops at the whitespace (the tab). The function `getline()` then reads **everything** until the newline, including all whitespace. If we were required to use `getline()` (because the string may have whitespace within it that we want to read), we could avoid this problem by using:

```cpp
InFile >> Num;
InFile.ignore(255, '\t');
generate(InFile, Str);
```