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## Reintroduction of basic\_string getline function

### Introduction

The string and wstring library classes included a getline function as recently as the 27 May 1994 working paper. When string and wstring were templated into basic\_string, the getline function was inadvertently dropped. This proposal reintroduces getline for basic\_string.

### Proposal

Add the following function to the working paper (presumably after 21.1.1.4.4 Inserters and extractors):

```
template<class charT>
    basic_istream<charT>& getline(basic_istream<charT>& is,
        basic_string<charT>& str,
        charT delim = ios_traits<charT>::newline());
```

An unformatted input function, extracts characters with `string_char_traits<charT>::char_in` and appends them to the string controlled by `str`. The string is initially made empty by calling `str.remove(0)`. Each extracted character `c` is appended as if by calling `str.append(c)`. Characters are extracted and appended until any of the following occurs:

- NPOS - 1 characters are appended (in which case the function calls `setstate(failbit)`);
- end-of-file occurs on the input sequence (in which case the function calls `setstate eofbit)`);
- `c == delim` for the next available input character `c` (in which case the input character is extracted but not appended).

If the function appends no characters, it calls `setstate(failbit)`. The function returns `is`.