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1 #include "VigenereForwardIterator.h"
2
3 VigenereForwardIterator::VigenereForwardIterator(iVigenereStream& aIStream): fIStream(aIStream), fCurrentChar(0), fEOF(aIStream.eof())
4 {
5     if (!fEOF)
6     {
7         fIStream >> fCurrentChar;
8     }
9 }
10
11 char VigenereForwardIterator::operator*() const
12 {
13     return fCurrentChar;
14 }
15
16 VigenereForwardIterator& VigenereForwardIterator::operator++()
17 {
18     fIStream >> fCurrentChar;
19     fEOF = fIStream.eof();
20     return *this;
21 }
22
23 VigenereForwardIterator VigenereForwardIterator::operator++(int)
24 {
25     VigenereForwardIterator temp = *this;
26     ++(*this);
27     return temp;
28 }
29
30 bool VigenereForwardIterator::operator==(const VigenereForwardIterator& aOther) const
31 {
32     return (&fIStream == &aOther.fIStream) && (fEOF == aOther.fEOF);
33 }
34
35 bool VigenereForwardIterator::operator!=(const VigenereForwardIterator& aOther) const
36 {
37     return !(*this == aOther);
38 }
39
40 VigenereForwardIterator VigenereForwardIterator::begin() const
41 {
42     VigenereForwardIterator lResult = *this;
43     lResult.fIStream.reset();
44     lResult.fEOF = lResult.fIStream.eof();
45     if (!lResult.fEOF)
46     {
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47         lResult.fIStream >> lResult.fCurrentChar;
48     }
49     return lResult;
50 }
51
52 VigenereForwardIterator VigenereForwardIterator::end() const
53 {
54     VigenereForwardIterator lResult = *this;
55     lResult.fEOF = true;
56     return lResult;
57 }
```