

```
1  #include "Vigenere.h"
2  #include "iVigenereStream.h"
3  #include <fstream>
4  using namespace std;
5
6
7  iVigenereStream::iVigenereStream(Cipher aCipher, const std::string& aKeyword, ↗
    const char* aFileName) :
8      fCipherProvider(aKeyword)
9  {
10     fCipher = aCipher;
11
12     if (!nullptr)
13     {
14         fIStream.open(aFileName);
15     }
16 }
17
18 iVigenereStream::~iVigenereStream()
19 {
20     close();
21 }
22
23 void iVigenereStream::open(const char* aFileName)
24 {
25     if (aFileName)
26     {
27         fIStream.open(aFileName, ofstream::binary);
28     }
29 }
30
31 void iVigenereStream::close()
32 {
33     fIStream.close();
34 }
35
36 void iVigenereStream::reset()
37 {
38     fCipherProvider.reset();
39     seekstart();
40 }
41
42 bool iVigenereStream::good() const
43 {
44     return fIStream.good();
45 }
46
47 bool iVigenereStream::is_open() const
48 {
```

```
49     return fIStream.is_open();
50 }
51
52 bool iVigenereStream::eof() const
53 {
54     return fIStream.eof();
55 }
56
57 iVigenereStream& iVigenereStream::operator>>(char& aCharacter)
58 {
59     char temp;
60     if (fCipher.operator bool() && fIStream.get(temp))
61     {
62         aCharacter = fCipher(fCipherProvider, temp);
63     }
64     return *this;
65 }
66
```