```
/* The following code example is taken from the book
 * "The C++ Standard Library - A Tutorial and Reference, 2nd Edition"
 * by Nicolai M. Josuttis, Addison-Wesley, 2012
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 * warranty, and with no claim as to its suitability for any purpose.
 */
#include <string>
                         // for ofstream
// for shared_ptr
// for remove()
#include <fstream>
#include <memory>
#include <cstdio>
class FileDeleter
  private:
     std::string filename;
  public:
    FileDeleter (const std::string& fn)
     : filename(fn) {
    void operator () (std::ofstream* fp) {
                                             // close.file
         fp->close();
         std::remove(filename.c_str()); // delete file
};
int main()
    // create and open temporary file:
    std::shared_ptr<std::ofstream> fp(new std::ofstream("tmpfile.txt"),
                                              FileDeleter("tmpfile.txt"));
    //...
}
```