```
/* 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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 */
#include <iostream>
#include <string>
                        // for unique_ptr
// for opendir(), ...
// for strerror()
#include <memory>
#include <dirent.h>
#include <cstring>
#include <cerrno>
                        // for errno
using namespace std;
class DirCloser
  public:
    void operator () (DIR* dp) {
         if (closedir(dp) != 0) {
              std::cerr << "00PS: closedir() failed" << std::endl;</pre>
};
int main()
    // open current directory:
    unique ptr <DIR, DirCloser > pDir (opendir ("."));
    // process each directory entry:
    struct dirent *dp;
    while ((dp = readdir(pDir.get())) != nullptr) {
         string filename(dp->d_name);
cout << "process" << filename << endl;</pre>
         //...
    }
}
```