

Northern Michigan University (Marquette Co, MI)

CS201-01-22F: Introduction to C++ (Andrew A. Poe)
Quiz 6

Name: _____
Friday 28 October 2022 11:00 A.M. EDT

Time: 15 minutes.

Write the following method (not a whole program):

```
void SwapFirstLast (string fname, int reclen);
```

This method takes the file named in `fname` and interprets it as a file of records, each of exactly `reclen` bytes. This method swaps the first record and last records in the file, leaving the other records unchanged. You are not to make an additional file. You are not to read or write any records but the first and last one.

```
void SwapFirstLast (string fname, int reclen) {  
  
    fstream f (fname, ios::in|ios::out|ios::binary);  
    f.seekg (0, ios::end);  
    int flen = f.tellg();  
    string first="", last="";  
    f.seekg(0);  
    for (int i=0; i < reclen; i++) {  
        char ch;  
        f.get(ch);  
        first += ch;  
    }  
    f.seekg(flen-reclen);  
    for (int i=0; i < reclen; i++) {  
        char ch;  
        f.get(ch);  
        last += ch;  
    }  
    f.seekp(0);  
    f << last;  
    f.seekp(flen-reclen);  
    f << first;  
    f.close();  
}
```