Create a folder **EServer** just for the files of this project

Globals.java

create Globals class (non-instantiating)

include all the following:

declare global string constant MESSAGES_FILE = "_messages.txt";
declare global RandomAccessFile msg variable for the messages file, initialized to null

declare global int constant PROCESS_OK with a value of 0 declare global int constant PROCESS_ERROR with a value of -1

declare global int variable totalRecordsInMessageFile that keeps the total records in the message file, initialized to -1

declare global constant RECORD_DATA_LEN with a value of 80 declare global constant NEXT_RECORD_LEN with a value of 4 declare global constant RECORD_LEN with a value of RECORD_DATA_LEN + NEXT_RECORD_LEN (be sure to use the constant names, not actual numbers)

FileIO.java

FileIO class (non-instantiating class)

EmailServer.java

```
main() method {
    open/create the messages file using the method of the class FileIO

if all goes well {
        write a few fixed sized records (about 5 of some RECORD_LEN bytes each)
        print the value of Globals.totalRecordsInMessageFile

        if errors happen during writing
            print out an error message

        close the messages file using the method of the class FileIO
    }
    else
        print an error saying that the file could not be opened
}
```

After running the program, check that there is a file "_messages.txt" with a size that is an exact multiple of the size of records you chose while writing. For example, if your record size is 20 and you wrote 4 records, the file should be exactly 80 bytes.

If you run the program again, be sure to manually delete the file first.