Pseudocode:

Trace:

Line Number	inputNameArray	outputNameArray	previousName	name
1	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	1	1	1
2	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl		1	1
3	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl			1
4	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl			Adam
6	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam		Adam
7	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam	Adam	Adam
4	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam	Adam	Brody
6	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody	Adam	Brody
7	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody	Brody	Brody
4	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody	Brody	Brody
7	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody	Brody	Brody
4	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody	Brody	Coy
6	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy	Brody	Coy
7	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy	Coy	Coy
4	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy	Coy	Coy
7	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy	Coy	Coy
4	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy	Coy	Dave
6	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy, Dave	Coy	Dave
7	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy, Dave	Dave	Dave
4	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy, Dave	Dave	Earl
6	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy, Dave, Earl	Dave	Earl
7	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy, Dave, Earl	Earl	Earl
4	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy, Dave, Earl	Earl	Earl
7	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy, Dave, Earl	Earl	Earl
8	Adam, Brody, Brody, Coy, Coy, Dave, Earl, Earl	Adam, Brody, Coy, Dave, Earl	Earl	Earl

Efficiency:

```
1 GET inputNameArray from input file
2 outputNameArray ← []
                                          // 0(1)
3 previousName ← none
                                          // 0(1)
                                          // O(n)
4 FOR name in inputNameArray
      IF name != previousName
                                          // 0(1)
          APPEND name to outputNameArray
                                          // 0(1)
6
      previousName ← name
                                          // 0(1)
7
8 WRITE outputNameArray to output file
```

Overall efficiency: O(n) because of the single FOR loop