

```
1  #! /bin/sh
2  #
3  #
4  # exercise 2a
5  MASTER=MasterList
6
7  # exercise 5a
8  GENMASTER="no"
9
10 # exercise 5d
11 DELMASTER="no"
12
13 # exercise 3a
14 TMP=/tmp/$$
15 > $TMP
16
17 # exercise 5b
18 for i in "$@"
19 do
20     case "$i" in
21         -g) GENMASTER=yes    ;;
22         esac
23 done
24
25 if [ "$GENMASTER"x = yesx ]
26 then
27     if [ -e "$MASTER" ]
28     then
29         echo "$MASTER exists; please delete it" 1>&2
30         exit 1
31     else
32         > "$MASTER"
33     fi
34     #
35     for i in *
36     do
37         if [ ! -f "$i" -o "$i"x = "$MASTER"x ]
38         then
39             continue
40         fi
41         echo `ls -sail "$i"` `shasum "$i"` >> "$MASTER"
```

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42     done
43     exit 0
44 fi
45
46 # exercise 3e
47 if [ ! -f "$MASTER" ]
48 then
49     echo "Master file does not exist; please generate it" 1>&2
50     exit 1
51 fi
52
53 for i in *
54 do
55     # exercise 3b
56     if [ "$i" = "$TMP" ]
57     then
58         continue
59     fi
60     # exercise 2c
61     if [ "$i" = "$MASTER" -o ! -f "$i" ]
62     then
63         continue
64     fi
65     # exercise 3c
66     echo `ls -sail "$i" ` `shasum "$i" ` >> $TMP
67 done
68
69 # exercise 3d, with the modification given in exercise 4
70 echo "Changed files:"
71 diff "$MASTER" "$TMP" | grep '^(<|>)' | awk '{ print $NF }' | sort | uniq
72 # exercise 3f
73 rm $TMP
74 exit 0
75
```