

```
1
2 ancy@DESKTOP-8HCLDNE:~$ pwd
3 /home/ancy
4 ancy@DESKTOP-8HCLDNE:~$ nano a1.txt
5 ancy@DESKTOP-8HCLDNE:~$ nano a2.txt
6 ancy@DESKTOP-8HCLDNE:~$ grep -rl "bioinformatics"
7 a2.txt
8 a1.txt
9 .bash_history
10 C
11 ancy@DESKTOP-8HCLDNE:~$ grep -r "bioinformatics" | wc -w
12 60
13 ancy@DESKTOP-8HCLDNE:~$ grep -r "bioinformatics" | wc -l
14 18
15 ancy@DESKTOP-8HCLDNE:~$ grep -r "bioinformatics" | wc -c
16 622
17 ancy@DESKTOP-8HCLDNE:~$ ls -lt
18 total 20
19 -rw-r--r-- 1 ancy ancy 24 Jul 16 21:07 a2.txt
20 -rw-r--r-- 1 ancy ancy 31 Jul 16 21:07 a1.txt
21 -rw-r--r-- 1 ancy ancy 60 Jul 16 20:55 C
22 -rw-r--r-- 1 ancy ancy 480 Jul 16 20:25 errorlogfile.txt
23 -rw-r--r-- 1 ancy ancy 55 Jul 16 20:25 errorlogfile.txt:Zone.Identifier
24
25
26 ancy@DESKTOP-8HCLDNE:~$ chmod 400 a1.txt
27 ancy@DESKTOP-8HCLDNE:~$ ls -lt a1.txt
28 -r----- 1 ancy ancy 31 Jul 16 21:07 a1.txt
29
30
31
32 ancy@DESKTOP-8HCLDNE:~$ cat errorlogfile.txt
33 2024-07-11 12:01:34 INFO User logged in
34 2024-07-11 12:02:41 ERROR Database connection failed
35 2024-07-11 12:03:12 WARNING Disk space low
36 2024-07-11 12:04:53 ERROR Failed to load configuration
37 2024-07-11 12:05:01 INFO File uploaded successfully
38 2024-07-11 12:06:45 ERROR User authentication failed
39 2024-07-11 12:07:22 INFO System shutdown initiated
40 2024-07-11 12:08:30 ERROR Unable to save file
41 2024-07-11 12:09:19 WARNING High memory usage
42 2024-07-11 12:10:10 INFO User logged out
43 ancy@DESKTOP-8HCLDNE:~$ grep "ERROR" errorlogfile.txt
44 2024-07-11 12:02:41 ERROR Database connection failed
45 2024-07-11 12:04:53 ERROR Failed to load configuration
46 2024-07-11 12:06:45 ERROR User authentication failed
47 2024-07-11 12:08:30 ERROR Unable to save file
48 ancy@DESKTOP-8HCLDNE:~$ grep "ERROR" errorlogfile | sort +1 -2 | cat > error_logs.txt
49 grep: errorlogfile: No such file or directory
50 ancy@DESKTOP-8HCLDNE:~$ grep "ERROR" errorlogfile.txt |sort +1 -2 |cat > error_logs.txt
51 ancy@DESKTOP-8HCLDNE:~$ cat error_logs.txt
52 2024-07-11 12:02:41 ERROR Database connection failed
53 2024-07-11 12:04:53 ERROR Failed to load configuration
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54 2024-07-11 12:06:45 ERROR User authentication failed
55 2024-07-11 12:08:30 ERROR Unable to save file
56 ancy@DESKTOP-8HCLDNE:~$ ls -lt
57 total 24
58 -rw-r--r-- 1 ancy ancy 207 Jul 16 21:14 error_logs.txt
59 -rw-r--r-- 1 ancy ancy 24 Jul 16 21:07 a2.txt
60 -r----- 1 ancy ancy 31 Jul 16 21:07 a1.txt
61 -rw-r--r-- 1 ancy ancy 60 Jul 16 20:55 C
62 -rw-r--r-- 1 ancy ancy 480 Jul 16 20:25 errorlogfile.txt
63 -rw-r--r-- 1 ancy ancy 55 Jul 16 20:25 errorlogfile.txt:Zone.Identifier
64
65
66 ancy@DESKTOP-8HCLDNE:~$ mkdir dept
67 ancy@DESKTOP-8HCLDNE:~$ cd dept
68 ancy@DESKTOP-8HCLDNE:~/dept$ mkdir fin pers mktg
69 ancy@DESKTOP-8HCLDNE:~/dept$ cd fin
70 ancy@DESKTOP-8HCLDNE:~/dept/fin$ mkdir exp inc
71 ancy@DESKTOP-8HCLDNE:~/dept/fin$ cd ..
72 ancy@DESKTOP-8HCLDNE:~/dept$ cd pers
73 ancy@DESKTOP-8HCLDNE:~/dept/pers$ mkdir admin pay
74 ancy@DESKTOP-8HCLDNE:~/dept/pers$ cd ..
75 ancy@DESKTOP-8HCLDNE:~/dept$ cd fin
76 ancy@DESKTOP-8HCLDNE:~/dept/fin$ touch ent.txt postage.txt
77 ancy@DESKTOP-8HCLDNE:~/dept/fin$ rm -r ent.txt postage.txt
78 ancy@DESKTOP-8HCLDNE:~/dept/fin$ cd exp
79 ancy@DESKTOP-8HCLDNE:~/dept/fin/exp$ touch ent.txt postage.txt
80 ancy@DESKTOP-8HCLDNE:~/dept/fin/exp$ cd ..
81 ancy@DESKTOP-8HCLDNE:~/dept/fin$ cd inc
82 ancy@DESKTOP-8HCLDNE:~/dept/fin/inc$ touch fees.txt sales.txt
83 ancy@DESKTOP-8HCLDNE:~/dept/fin/inc$ cd ..
84 ancy@DESKTOP-8HCLDNE:~/dept/fin$ cd ..
85 ancy@DESKTOP-8HCLDNE:~/dept$ cd pers
86 ancy@DESKTOP-8HCLDNE:~/dept/pers$ cd admin
87 ancy@DESKTOP-8HCLDNE:~/dept/pers/admin$ touch exp.txt reco.txt
88 ancy@DESKTOP-8HCLDNE:~/dept/pers/admin$ cd ..
89 ancy@DESKTOP-8HCLDNE:~/dept/pers$ cd pay
90 ancy@DESKTOP-8HCLDNE:~/dept/pers/pay$ touch ded.txt add.txt
91 ancy@DESKTOP-8HCLDNE:~/dept/pers/pay$ cd ..
92 ancy@DESKTOP-8HCLDNE:~/dept/pers$ cd ..
93 ancy@DESKTOP-8HCLDNE:~/dept$ cd mktg
94 ancy@DESKTOP-8HCLDNE:~/dept/mktg$ touch salesinfo.txt pur.txt
95 ancy@DESKTOP-8HCLDNE:~/dept/mktg$ cd ..
96 ancy@DESKTOP-8HCLDNE:~/dept$ tree
97 dept
98 |
99 |   └─ fin
100 |       └─ exp
101 |           └─ ent.txt
102 |               └─ postage.txt
103 |           └─ inc
104 |               └─ fees.txt
105 |                   └─ sales.txt
106 |   └─ mktg
107 |       └─ pur.txt
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107 |   └─ salesinfo.txt
108 | └─ pers
109 |   └─ admin
110 |     └─ exp.txt
111 |     └─ reco.txt
112 |   └─ pay
113 |     └─ add.txt
114 |     └─ ded.txt
115
116 7 directories, 10 files
117 ancy@DESKTOP-8HCLDNE:~/dept$ cd..
118 cd..: command not found
119 ancy@DESKTOP-8HCLDNE:~/dept$ cd ..
120 ancy@DESKTOP-8HCLDNE:~$ cp dept/pers/pay/ded.txt dept/mktg/deduc.txt
121 ancy@DESKTOP-8HCLDNE:~$ ln -s $(pwd /dept/mktg/deduc) dept/mktg/deduc_link
122 ancy@DESKTOP-8HCLDNE:~$ mv dept/mktg/deduc_link dept/pers/admin/deduc_linl
123 ancy@DESKTOP-8HCLDNE:~$ cp dept/mktg/salesinfo.txt dept/pers/pay/s_info.txt
124 ancy@DESKTOP-8HCLDNE:~$ rm -r s_info.txt
125 rm: cannot remove 's_info.txt': No such file or directory
126 ancy@DESKTOP-8HCLDNE:~$ cd dept
127 ancy@DESKTOP-8HCLDNE:~/dept$ cd pers
128 ancy@DESKTOP-8HCLDNE:~/dept/pers$ cd pay
129 ancy@DESKTOP-8HCLDNE:~/dept/pers/pay$ rm -r s_info.txt
130 ancy@DESKTOP-8HCLDNE:~/dept/pers/pay$ cd ..
131 ancy@DESKTOP-8HCLDNE:~/dept/pers$ cd ..
132 ancy@DESKTOP-8HCLDNE:~/dept$ cd ..
133 ancy@DESKTOP-8HCLDNE:~$ cp dept/mktg/salesinfo.txt dept/pers/pay/sinfo.txt
134 ancy@DESKTOP-8HCLDNE:~$ mv dept/pers/pay/sinfo.txt dept/fin/exp/sinfo.txt
135 ancy@DESKTOP-8HCLDNE:~$ cp dept/mktg/salesinfo.txt dept/fin/
136 ancy@DESKTOP-8HCLDNE:~$ rm dept/fin/exp/sinfo.txt
137 ancy@DESKTOP-8HCLDNE:~$ mv dept/fin/exp/postage.txt dept/pers/pexp.txt
138 ancy@DESKTOP-8HCLDNE:~$ ln -s $(pwd dept/pers/pexp.txt) dept/pers/pexp_link
139 ancy@DESKTOP-8HCLDNE:~$ rm dept/pers/pexp.txt
140 ancy@DESKTOP-8HCLDNE:~$ cd dept
141 ancy@DESKTOP-8HCLDNE:~/dept$ tree
142 dept
143 └─ fin
144   └─ exp
145     └─ ent.txt
146   └─ inc
147     └─ fees.txt
148     └─ sales.txt
149   └─ salesinfo.txt
150 └─ mktg
151   └─ deduc.txt
152   └─ pur.txt
153   └─ salesinfo.txt
154 └─ pers
155   └─ admin
156     └─ deduc_linl -> /home/ancy
157     └─ exp.txt
158     └─ reco.txt
159   └─ pay

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160 | |└─ add.txt
161 | |└─ ded.txt
162 | └─ pexp_link -> /home/ancy
163
164 9 directories, 11 files
165
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