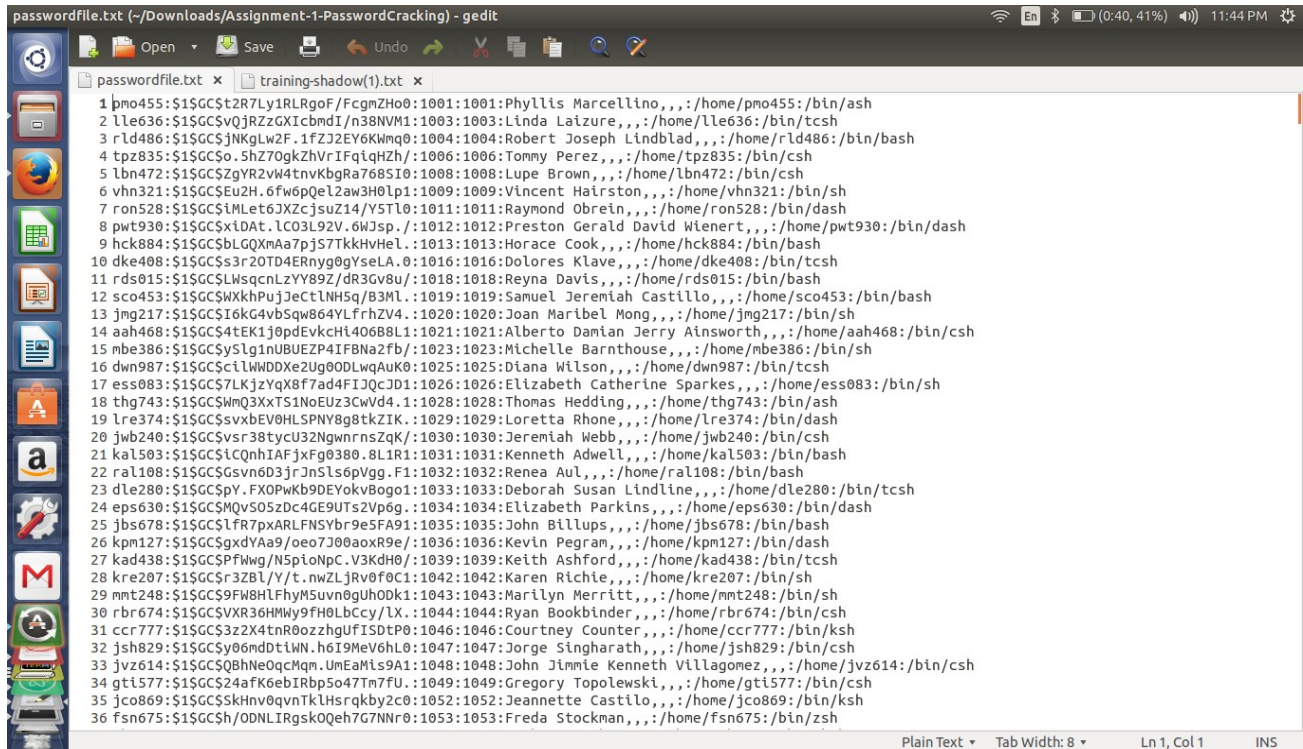


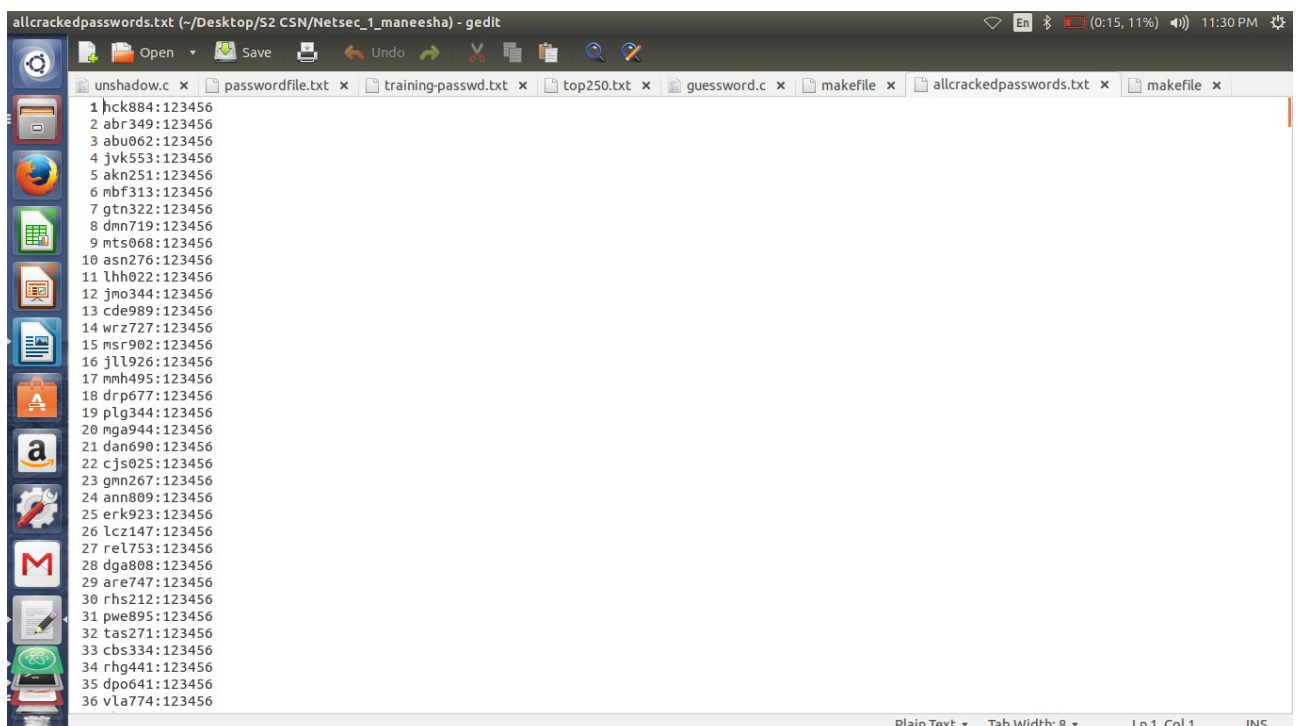
1. To compile : make all
To run : make runall

2. Output of unshadow



```
passwordfile.txt x training-shadow(1).txt x
1 bmo455:$1$GCS$2r7Ly1RLRgoF/FcgmZHo0:1001:1001:Phyllis Marcellino,,,:/home/pmo455:/bin/ash
2 lle636:$1$GCS$QJRZzGXicbndI/n38NVM1:1003:1003:Linda Laizure,,,:/home/lle636:/bin/tcsh
3 rld486:$1$GCS$JNkgLw2F.1fZJ2EY6Kwmq0:1004:1004:Robert Joseph Lindblad,,,:/home/rld486:/bin/bash
4 tpz835:$1$GCS$o.5hZ70gkZhvRIFqkHZh/:1006:1006:Tommy Perez,,,:/home/tpz835:/bin/csh
5 lbn472:$1$GCS$ZgYR2vW4tnvkgRg768SI0:1008:1008:Lupe Brown,,,:/home/lbn472:/bin/csh
6 vhn321:$1$GCS$Eu2H.6fw6pQel2aw3H0lp1:1009:1009:Vincent Halrston,,,:/home/vhn321:/bin/sh
7 ron528:$1$GCS$LMlet6JXZcjsuZ14/Y5TL0:1011:1011:Raymond Obrein,,,:/home/ron528:/bin/dash
8 pwt930:$1$GCS$xlDat.LC03L92V.6WJsp./:1012:1012:Preston Gerald David Wlenert,,,:/home/pwt930:/bin/dash
9 hck884:$1$GCS$BLQXmAa7pj57TkkHvHeL.:1013:1013:Horace Cook,,,:/home/hck884:/bin/bash
10 dke408:$1$GCS$3r20TD4ERnyg0gYseLA.0:1016:1016:Dolores Klave,,,:/home/dke408:/bin/tcsh
11 rds015:$1$GCS$LWsqcnLzYY89Z/dR3Gv8u/:1018:1018:Reyna Davis,,,:/home/rds015:/bin/bash
12 sco453:$1$GCS$WXkhPuJJeCtLNH5q/B3ML.:1019:1019:Samuel Jeremiah Castillo,,,:/home/sco453:/bin/bash
13 jmg217:$1$GCS$I6K4vb5sqw864YfRhZV4.:1020:1020:Joan Maribel Mong,,,:/home/jmg217:/bin/sh
14 aah468:$1$GCS$4tEK1j0pEvkChI406B8L1:1021:1021:Alberto Damian Jerry Ainsworth,,,:/home/aah468:/bin/csh
15 mbe386:$1$GCS$Yslg1nUBUEZP4IFBna2fb/:1023:1023:Michelle Barnthouse,,,:/home/mbe386:/bin/sh
16 dwn987:$1$GCS$cilWDDXe2Ug0DLWqAuK0:1025:1025:Diana Wilson,,,:/home/dwn987:/bin/tcsh
17 ess083:$1$GCS$7LkjzYqX8f7ad4FIJQCJD1:1026:1026:Elizabeth Catherine Sparkes,,,:/home/ess083:/bin/sh
18 thg743:$1$GCS$WmQ3xTS1NoEuZ3CwVd4.1:1028:1028:Thomas Hedding,,,:/home/thg743:/bin/ash
19 lre374:$1$GCS$svxbEV0HLSPNY8g8tkZIK.:1029:1029:Loretta Rhone,,,:/home/lre374:/bin/dash
20 jwb240:$1$GCS$vsr38tycU32NgwnrnsZqK/:1030:1030:Jeremiah Webb,,,:/home/jwb240:/bin/csh
21 ka1503:$1$GCS$CQnHIAFjxJFg0380.8L1R1:1031:1031:Kenneth Adwell,,,:/home/ka1503:/bin/bash
22 ral108:$1$GCS$Gsvn6D3jrJn5L6pVgg.F1:1032:1032:Renea Aul,,,:/home/ral108:/bin/bash
23 dle280:$1$GCS$Py.FXOPWkb9DEYokvBogol:1033:1033:Deborah Susan Lindline,,,:/home/dle280:/bin/tcsh
24 eps630:$1$GCS$MQSV05ZDc4GE9UTs2Vp6g.:1034:1034:Elizabeth Parkins,,,:/home/eps630:/bin/dash
25 jbs678:$1$GCS$1fR7pxARLFNSYbvr9e5FA91:1035:1035:John Billups,,,:/home/jbs678:/bin/bash
26 kpm127:$1$GCS$gxdYaa9/oeo7J00aoxR9e/:1036:1036:Kevin Pegram,,,:/home/kpm127:/bin/dash
27 kad438:$1$GCS$PFWwg/N5pt0Npc.V3KdH0/:1039:1039:Keith Ashford,,,:/home/kad438:/bin/tcsh
28 kre207:$1$GCS$3ZBL/Y/t.nwZLjRv0f0C1:1042:1042:Karen Richtel,,,:/home/kre207:/bin/sh
29 mmt248:$1$GCS$9FW8HLFhyMsvuvn0gUu0Dk1:1043:1043:Marilyn Merritt,,,:/home/mmt248:/bin/sh
30 rbr674:$1$GCS$VXR36HMYy9fH0LbCcy/LX.:1044:1044:Ryan Bookbinder,,,:/home/rbr674:/bin/csh
31 ccr777:$1$GCS$3z2X4tnR00zhgUfISDtP0:1046:1046:Courtney Counter,,,:/home/ccr777:/bin/ksh
32 jsh829:$1$GCS$y06mdDtIWN.h6I9MeV6HL0:1047:1047:Jorge Singharath,,,:/home/jsh829:/bin/csh
33 jvz614:$1$GCS$QBhNeOqCmQm.UnEaMIs9A1:1048:1048:John Jimmie Kenneth Villagomez,,,:/home/jvz614:/bin/csh
34 gti577:$1$GCS$24afK6ebIRbp5o47Tm7fU.:1049:1049:Gregory Topolewski,,,:/home/gti577:/bin/csh
35 jco869:$1$GCS$5kHnv0qvnTKLHsrqkby2c0:1052:1052:Jeannette Castillo,,,:/home/jco869:/bin/ksh
36 fsn675:$1$GCS$H/ODNLIRgsk0Qeh7G7NNr0:1053:1053:Freda Stockman,,,:/home/fsn675:/bin/zsh
```

Output of guessword



```
allcrackedpasswords.txt x passwordfile.txt x training-passwd.txt x top250.txt x guessword.c x makefile x allcrackedpasswords.txt x makefile x
1 hck884:123456
2 abr349:123456
3 abu062:123456
4 jvk553:123456
5 akn251:123456
6 mbf313:123456
7 gtn322:123456
8 dmn719:123456
9 mts068:123456
10 asn276:123456
11 lhh022:123456
12 jmo344:123456
13 cde989:123456
14 wrz727:123456
15 msr902:123456
16 jll926:123456
17 mmh495:123456
18 drp677:123456
19 plg344:123456
20 mga944:123456
21 dan690:123456
22 cjs025:123456
23 gmn267:123456
24 ann809:123456
25 erk923:123456
26 lcz147:123456
27 reL753:123456
28 dga808:123456
29 are747:123456
30 rhs212:123456
31 pwe895:123456
32 tas271:123456
33 cbs334:123456
34 rhg441:123456
35 dpo641:123456
36 vLa774:123456
```