

SSH Secure Shell 3.2.9 (Build 283)
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This copy of SSH Secure Shell is a non-commercial version.
This version does not include PKI and PKCS #11 functionality.

Welcome to Ubuntu 16.04.5 LTS (GNU/Linux 4.4.0-87-generic x86_64)

* Documentation: <https://help.ubuntu.com>
* Management: <https://landscape.canonical.com>
* Support: <https://ubuntu.com/advantage>

109 packages can be updated.
80 updates are security updates.

Last login: Tue Apr 16 18:37:30 2019 from 192.168.60.3

```
gwolf@vma25:~$ cd class
gwolf@vma25:~/class$ cd h05
gwolf@vma25:~/class/h05$ cd q04
gwolf@vma25:~/class/h05/q04$ ls
a04.bak  check04.sh      insert_data.txt  q04.sh
a04.txt  insert_data.sql  list.dat
gwolf@vma25:~/class/h05/q04$ cat q04.sh
#!/bin/bash
file=$1
```

```
if [ -z "$file" ] || [ ! -e $file ]
then
    echo "file does not exist"
    exit
else
    echo "file exists"
fi
```

```
while read fname lname ;
do
    fname=${fname^^}
    lname=${lname^^}
    echo -e "STUDENT=$fname $lname\nHOMEWORK SCORES\n-----"
    grep "FNAME=$fname, LNAME=$lname" insert_data.txt | grep "TYPE=HW"
    echo -e "\nQUIZ SCORES\n-----"
    grep "FNAME=$fname, LNAME=$lname" insert_data.txt | grep "TYPE=QU"
    echo -e "\nEXAM SCORES\n-----"
    grep "FNAME=$fname, LNAME=$lname" insert_data.txt | grep "TYPE=EX"
    echo
done < $file
```

```
gwolf@vma25:~/class/h05/q04$ ./q04.sh list.dat
```

file exists

STUDENT=MATTHEW ANDERSON

HOMEWORK SCORES

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-----
PKEY=232, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=HW, ITEM_ID=1, SCORE=5
PKEY=233, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=HW, ITEM_ID=2, SCORE=3
PKEY=234, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=HW, ITEM_ID=3, SCORE=4
PKEY=235, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=HW, ITEM_ID=4, SCORE=4
PKEY=236, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=HW, ITEM_ID=5, SCORE=3
PKEY=237, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=HW, ITEM_ID=6, SCORE=4
PKEY=238, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=HW, ITEM_ID=7, SCORE=4
PKEY=239, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=HW, ITEM_ID=8, SCORE=5
PKEY=240, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=HW, ITEM_ID=9, SCORE=4
PKEY=241, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=HW, ITEM_ID=10, SCORE=4
PKEY=242, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=HW, ITEM_ID=11, SCORE=5
```

QUIZ SCORES

```
-----
PKEY=243, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=QU, ITEM_ID=1, SCORE=6
PKEY=244, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=QU, ITEM_ID=2, SCORE=7
PKEY=245, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=QU, ITEM_ID=3, SCORE=6
PKEY=246, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=QU, ITEM_ID=4, SCORE=10
PKEY=247, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=QU, ITEM_ID=5, SCORE=10
```

PKEY=248, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=QU, ITEM_ID=6, SCORE=6
PKEY=249, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=QU, ITEM_ID=7, SCORE=7

EXAM SCORES

PKEY=250, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=EX, ITEM_ID=1, SCORE=29
PKEY=251, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=EX, ITEM_ID=2, SCORE=26
PKEY=252, STUDENT_ID=13, FNAME=MATTHEW, LNAME=ANDERSON, TYPE=EX, ITEM_ID=3, SCORE=28

STUDENT=JULIAN BURNS

HOMEWORK SCORES

PKEY=2941, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=HW, ITEM_ID=1, SCORE=3
PKEY=2942, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=HW, ITEM_ID=2, SCORE=4
PKEY=2943, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=HW, ITEM_ID=3, SCORE=3
PKEY=2944, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=HW, ITEM_ID=4, SCORE=4
PKEY=2945, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=HW, ITEM_ID=5, SCORE=5
PKEY=2946, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=HW, ITEM_ID=6, SCORE=5
PKEY=2947, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=HW, ITEM_ID=7, SCORE=5
PKEY=2948, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=HW, ITEM_ID=8, SCORE=4
PKEY=2949, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=HW, ITEM_ID=9, SCORE=4
PKEY=2950, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=HW, ITEM_ID=10, SCORE=4
PKEY=2951, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=HW, ITEM_ID=11, SCORE=3

QUIZ SCORES

PKEY=2952, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=QU, ITEM_ID=1, SCORE=10
PKEY=2953, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=QU, ITEM_ID=2, SCORE=9
PKEY=2954, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=QU, ITEM_ID=3, SCORE=10
PKEY=2955, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=QU, ITEM_ID=4, SCORE=8
PKEY=2956, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=QU, ITEM_ID=5, SCORE=7
PKEY=2957, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=QU, ITEM_ID=6, SCORE=7
PKEY=2958, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=QU, ITEM_ID=7, SCORE=6

EXAM SCORES

PKEY=2959, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=EX, ITEM_ID=1, SCORE=25
PKEY=2960, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=EX, ITEM_ID=2, SCORE=39
PKEY=2961, STUDENT_ID=142, FNAME=JULIAN, LNAME=BURNS, TYPE=EX, ITEM_ID=3, SCORE=31

STUDENT=HANNAH WILSON

HOMEWORK SCORES

PKEY=190, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=HW, ITEM_ID=1, SCORE=5
PKEY=191, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=HW, ITEM_ID=2, SCORE=3
PKEY=192, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=HW, ITEM_ID=3, SCORE=5
PKEY=193, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=HW, ITEM_ID=4, SCORE=4
PKEY=194, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=HW, ITEM_ID=5, SCORE=3
PKEY=195, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=HW, ITEM_ID=6, SCORE=4
PKEY=196, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=HW, ITEM_ID=7, SCORE=5
PKEY=197, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=HW, ITEM_ID=8, SCORE=3
PKEY=198, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=HW, ITEM_ID=9, SCORE=4
PKEY=199, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=HW, ITEM_ID=10, SCORE=3
PKEY=200, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=HW, ITEM_ID=11, SCORE=5

QUIZ SCORES

PKEY=201, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=QU, ITEM_ID=1, SCORE=5
PKEY=202, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=QU, ITEM_ID=2, SCORE=10
PKEY=203, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=QU, ITEM_ID=3, SCORE=6
PKEY=204, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=QU, ITEM_ID=4, SCORE=5
PKEY=205, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=QU, ITEM_ID=5, SCORE=6
PKEY=206, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=QU, ITEM_ID=6, SCORE=5
PKEY=207, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=QU, ITEM_ID=7, SCORE=8

EXAM SCORES

PKEY=208, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=EX, ITEM_ID=1, SCORE=31
PKEY=209, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=EX, ITEM_ID=2, SCORE=35
PKEY=210, STUDENT_ID=11, FNAME=HANNAH, LNAME=WILSON, TYPE=EX, ITEM_ID=3, SCORE=26

STUDENT=MADISON WILLIAMS

HOMEWORK SCORES

```
PKEY=43, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=HW, ITEM_ID=1, SCORE=3
PKEY=44, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=HW, ITEM_ID=2, SCORE=4
PKEY=45, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=HW, ITEM_ID=3, SCORE=4
PKEY=46, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=HW, ITEM_ID=4, SCORE=5
PKEY=47, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=HW, ITEM_ID=5, SCORE=3
PKEY=48, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=HW, ITEM_ID=6, SCORE=3
PKEY=49, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=HW, ITEM_ID=7, SCORE=4
PKEY=50, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=HW, ITEM_ID=8, SCORE=4
PKEY=51, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=HW, ITEM_ID=9, SCORE=5
PKEY=52, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=HW, ITEM_ID=10, SCORE=4
PKEY=53, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=HW, ITEM_ID=11, SCORE=3
```

QUIZ SCORES

```
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PKEY=54, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=QU, ITEM_ID=1, SCORE=10
PKEY=55, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=QU, ITEM_ID=2, SCORE=6
PKEY=56, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=QU, ITEM_ID=3, SCORE=5
PKEY=57, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=QU, ITEM_ID=4, SCORE=7
PKEY=58, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=QU, ITEM_ID=5, SCORE=8
PKEY=59, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=QU, ITEM_ID=6, SCORE=8
PKEY=60, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=QU, ITEM_ID=7, SCORE=8
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EXAM SCORES

```
-----
PKEY=61, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=EX, ITEM_ID=1, SCORE=34
PKEY=62, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=EX, ITEM_ID=2, SCORE=33
PKEY=63, STUDENT_ID=4, FNAME=MADISON, LNAME=WILLIAMS, TYPE=EX, ITEM_ID=3, SCORE=27
```