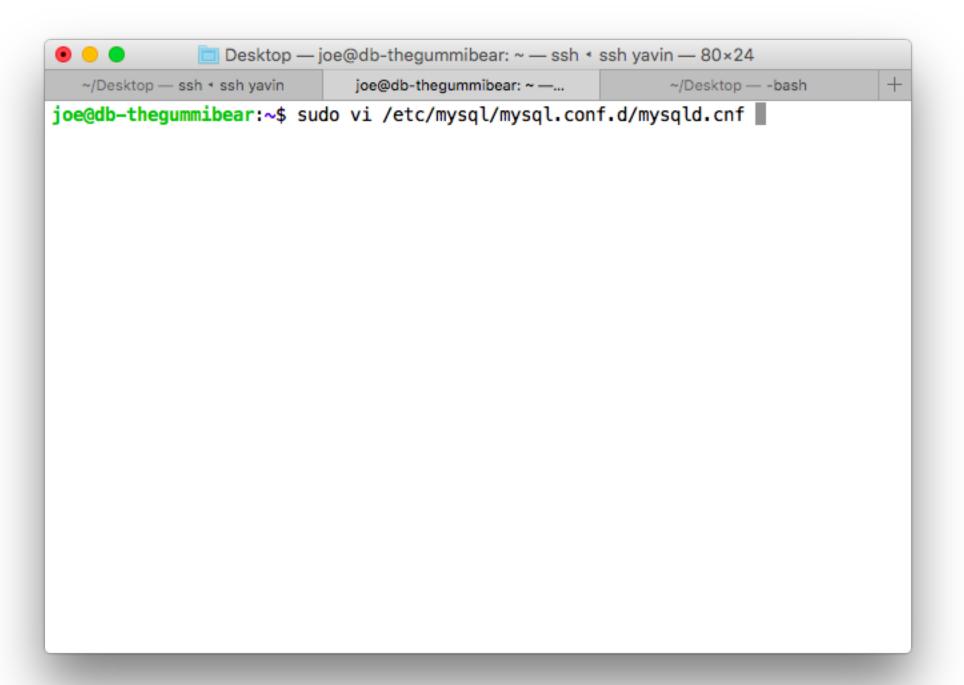
```
Desktop — joe@db-thegummibear: ~ — ssh ⋅ ssh yavin — 80×24
   ~/Desktop — ssh < ssh yavin
                              joe@db-thegummibear: ~ -...
                                                             ~/Desktop — -bash
[joe@db-thegummibear:~$ echo "Check to see if mysql is listening"
Check to see if mysql is listening
joe@db-thegummibear:~$ netstat -natp | grep 3306
(Not all processes could be identified, non-owned process info
 will not be shown, you would have to be root to see it all.)
                   0 127.0.0.1:3306
                                              0.0.0.0:*
                                                                        LISTEN
tcp
           0
[joe@db-thegummibear:~$ echo "ONly listening on the localhost address. We need to]
 fix that"
ONly listening on the localhost address. We need to fix that
joe@db-thegummibear:~$
```



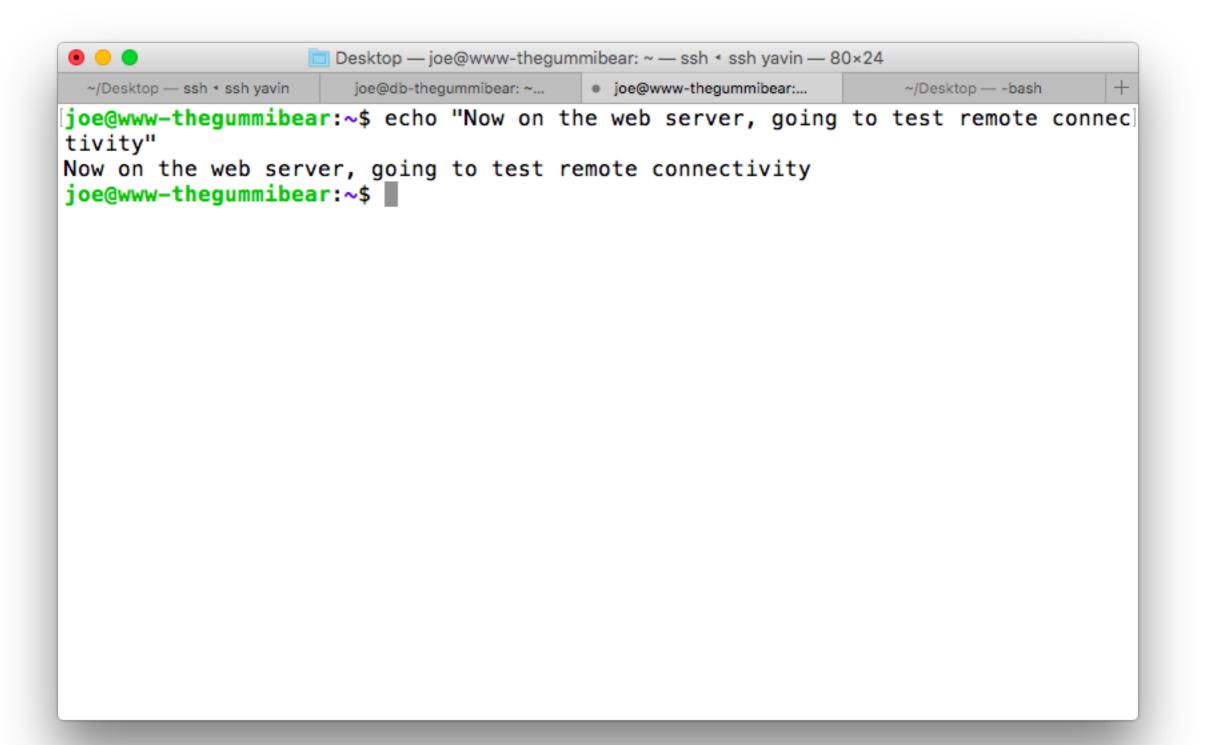
```
Desktop — joe@db-thegummibear: ~ — ssh * ssh yavin — 80×24
   ~/Desktop - ssh * ssh yavin
                           joe@db-thegummibear: ~ -...
                                                        ~/Desktop — -bash
pid-file
               = /var/run/mysqld/mysqld.pid
socket
              = /var/run/mysqld/mysqld.sock
port
               = 3306
basedir
               = /usr
datadir
               = /var/lib/mysql
tmpdir
               = /tmp
lc-messages-dir = /usr/share/mysql
skip-external-locking
# Instead of skip-networking the default is now to listen only on
# localhost which is more compatible and is not less secure.
bind-address = 127.0.0.1
# * Fine Tuning
key_buffer_size
                      = 16M
max allowed packet
                       = 16M
thread stack
                       = 192K
thread cache size
                       = 8
# This replaces the startup script and checks MyISAM tables if needed
# the first time they are touched
myisam-recover-options = BACKUP
#max connections
                       = 100
                                                            43,1
                                                                          38%
```

```
Desktop — joe@db-thegummibear: ~ — ssh * ssh yavin — 80×24
                                                                             +
   ~/Desktop - ssh * ssh yavin
                            joe@db-thegummibear: ~ -...
                                                         ~/Desktop — -bash
pid-file
               = /var/run/mysqld/mysqld.pid
socket
               = /var/run/mysqld/mysqld.sock
port
               = 3306
basedir
               = /usr
datadir
               = /var/lib/mysql
tmpdir
               = /tmp
lc-messages-dir = /usr/share/mysql
skip-external-locking
# Instead of skip-networking the default is now to listen only on
# localhost which is more compatible and is not less secure.
#bind-address = 127.0.0.1
# * Fine Tuning
key buffer size
                      = 16M
max allowed packet
                       = 16M
thread stack
                       = 192K
thread cache size
                       = 8
# This replaces the startup script and checks MyISAM tables if needed
# the first time they are touched
myisam-recover-options = BACKUP
#max connections
                       = 100
"/etc/mysql/mysql.conf.d/mysqld.cnf" 104L, 3029C written
                                                             43,1
                                                                           38%
```

```
Desktop — joe@db-thegummibear: ~ — ssh ⁴ ssh yavin — 80×24
   ~/Desktop — ssh * ssh yavin
                                 joe@db-thegummibear: ~ -...
                                                                   ~/Desktop — -bash
[joe@db-thegummibear:~$ sudo service mysql restart
joe@db-thegummibear:~$ ■
```

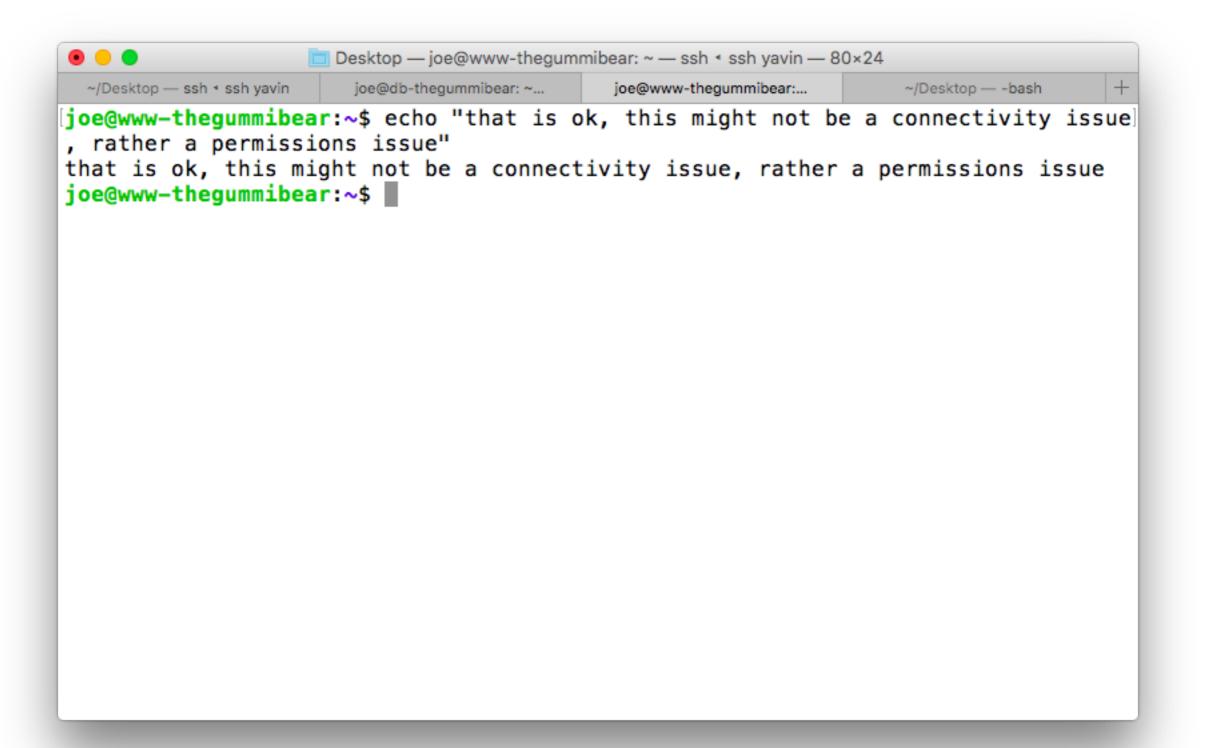
```
O
                            Desktop — joe@db-thegummibear: ~ — ssh 	

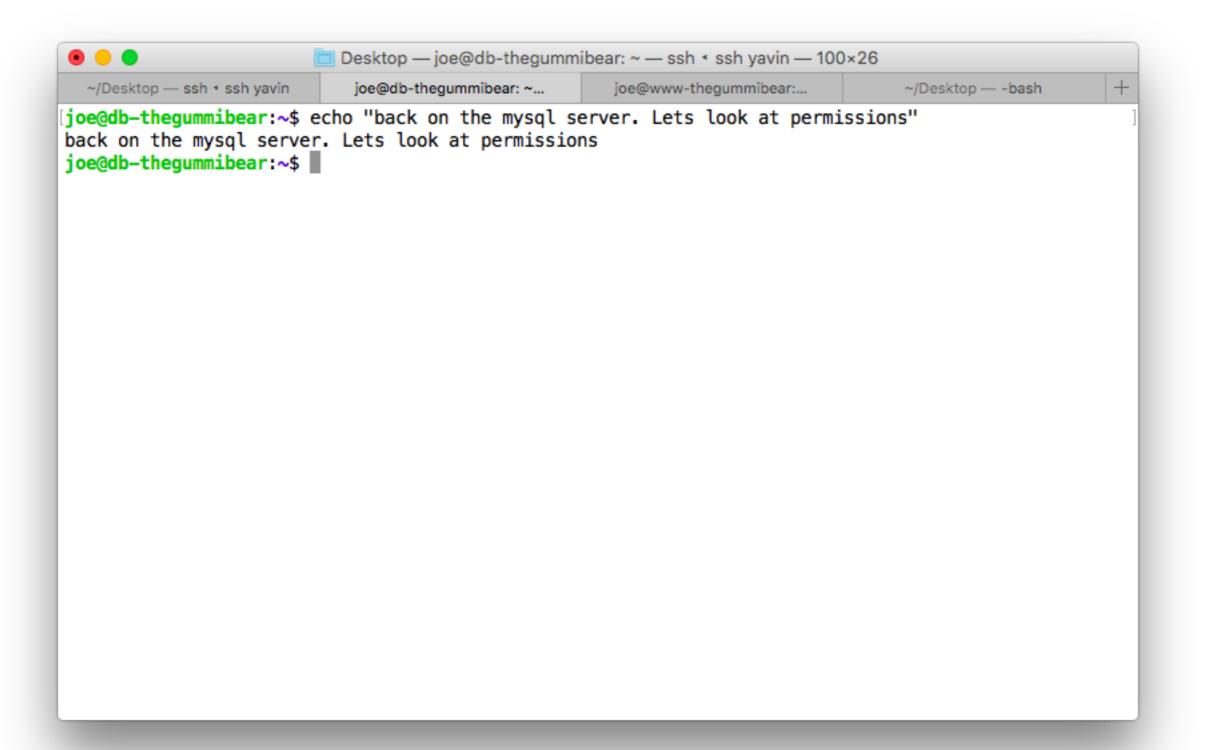
ssh yavin — 100×26
      ~/Desktop -- ssh + ssh yavin
                                    ■ joe@db-thegummibear: ~ — ssh • ssh...
                                                                          joe@www-thegummibear: ~ -- ssh * ss...
joe@db-thegummibear:~$ netstat -natp | grep 3306
(Not all processes could be identified, non-owned process info
will not be shown, you would have to be root to see it all.)
tcp6
           0
                   0 :::3306
                                                                          LISTEN
joe@db-thegummibear:~$
```

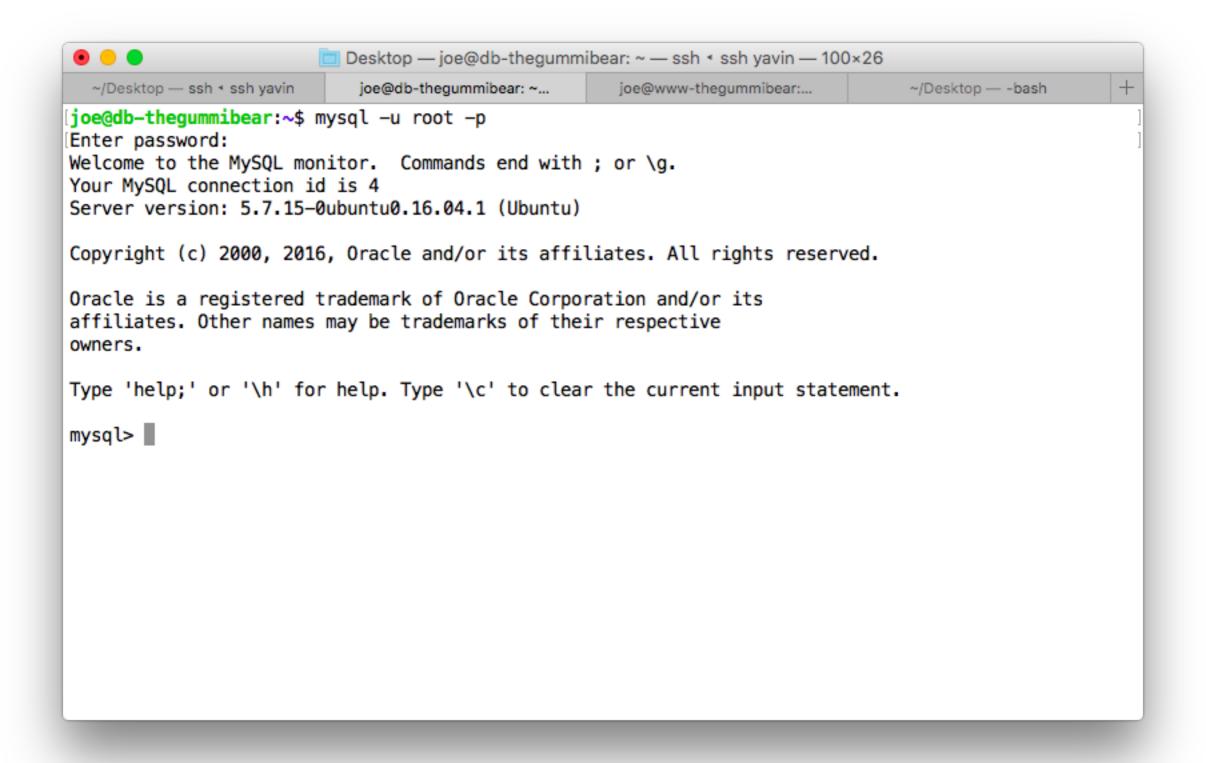


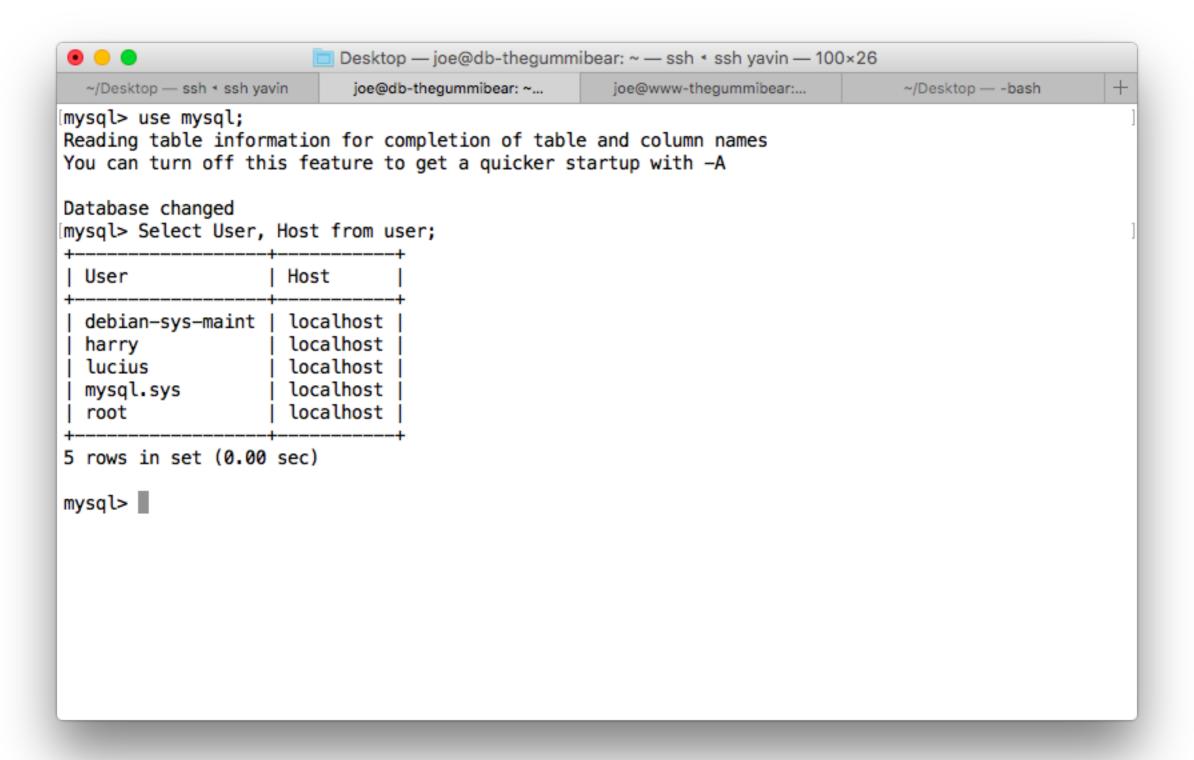
```
O
                       Desktop — joe@www-thegummibear: ~ — ssh ⁴ ssh yavin — 80×24
  ~/Desktop -- ssh < ssh yavin
                         joe@db-thegummibear: ~...
                                               joe@www-thegummibear:...
                                                                         ~/Desktop -- -bash
[joe@www-thegummibear:~$ mysql -h db.thegummibear.com -u harry -p
The program 'mysql' can be found in the following packages:
 * mysql-client-core-5.7
 * mariadb-client-core-10.0
Try: sudo apt install <selected package>
joe@www-thegummibear:~$ sudo apt-get install mysql-client
```

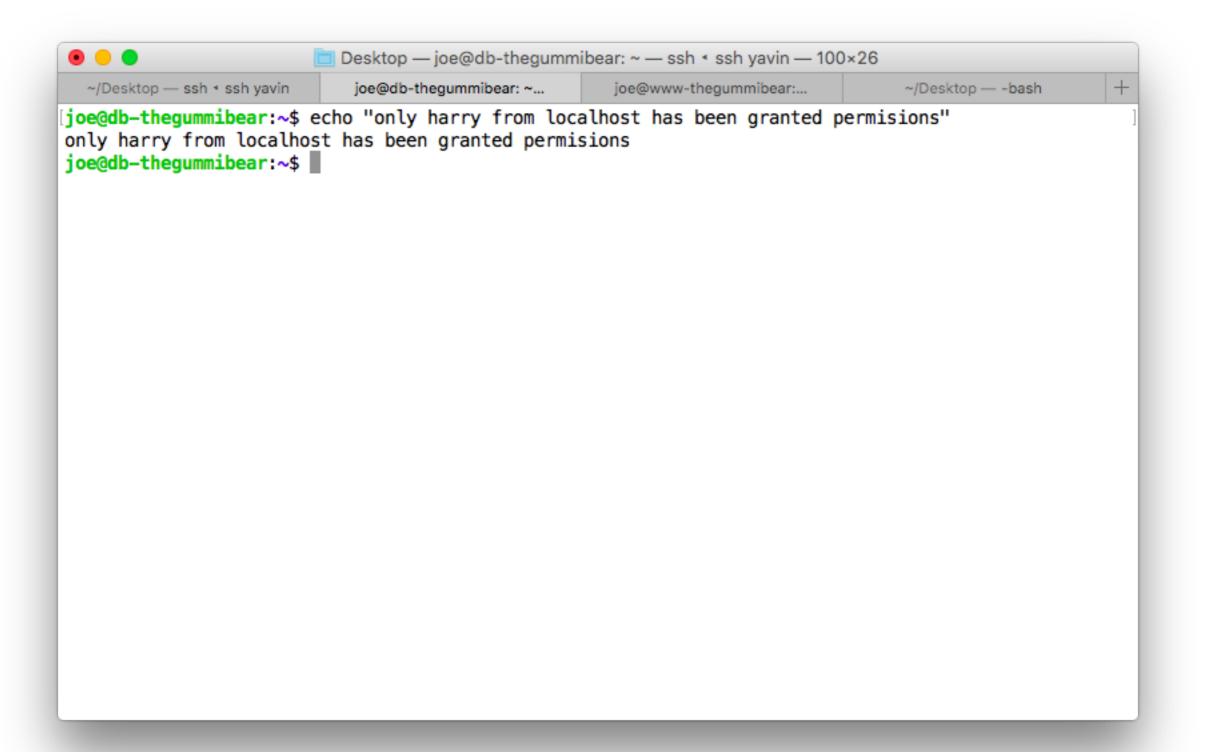
```
O
                        Desktop — joe@www-thegummibear: ~ — ssh ⁴ ssh yavin — 80×24
  ~/Desktop -- ssh * ssh yavin
                          joe@db-thegummibear: ~...
                                                 joe@www-thegummibear:...
                                                                           ~/Desktop -- -bash
[joe@www-thegummibear:~$ mysql -h db.thegummibear.com -u harry -p
Enter password:
ERROR 1130 (HY000): Host '144.38.199.165' is not allowed to connect to this MySQ
L server
joe@www-thegummibear:~$ ■
```

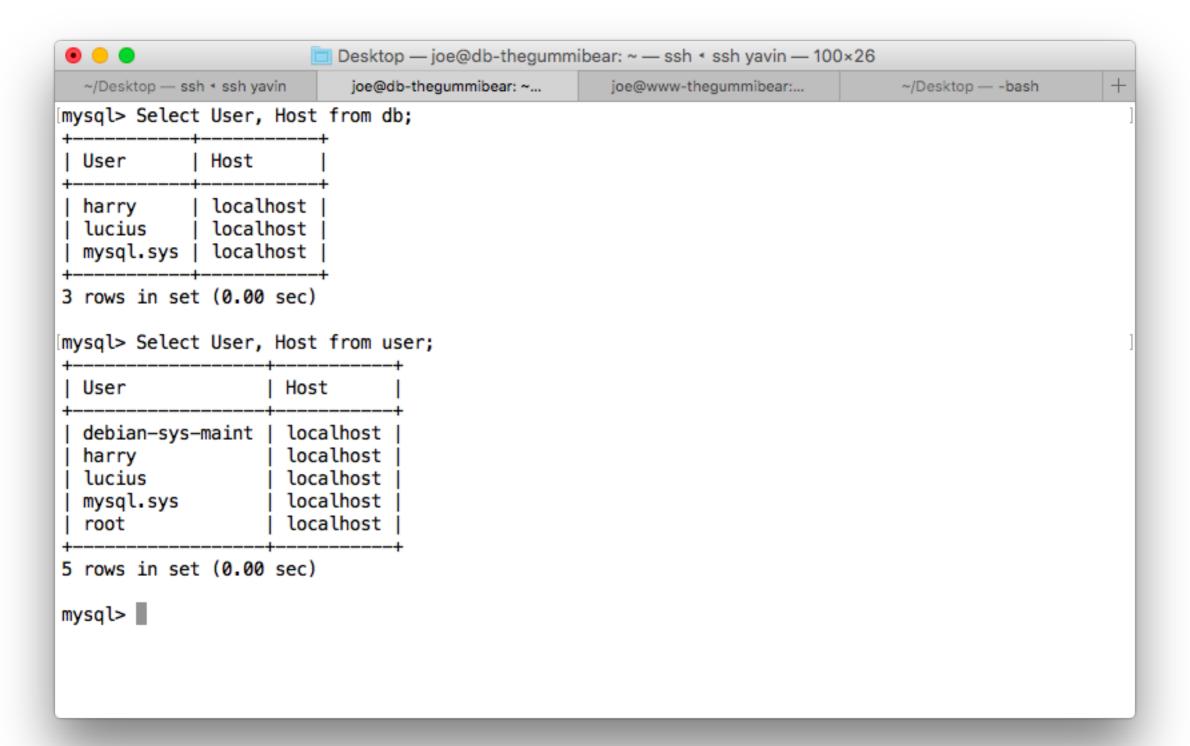


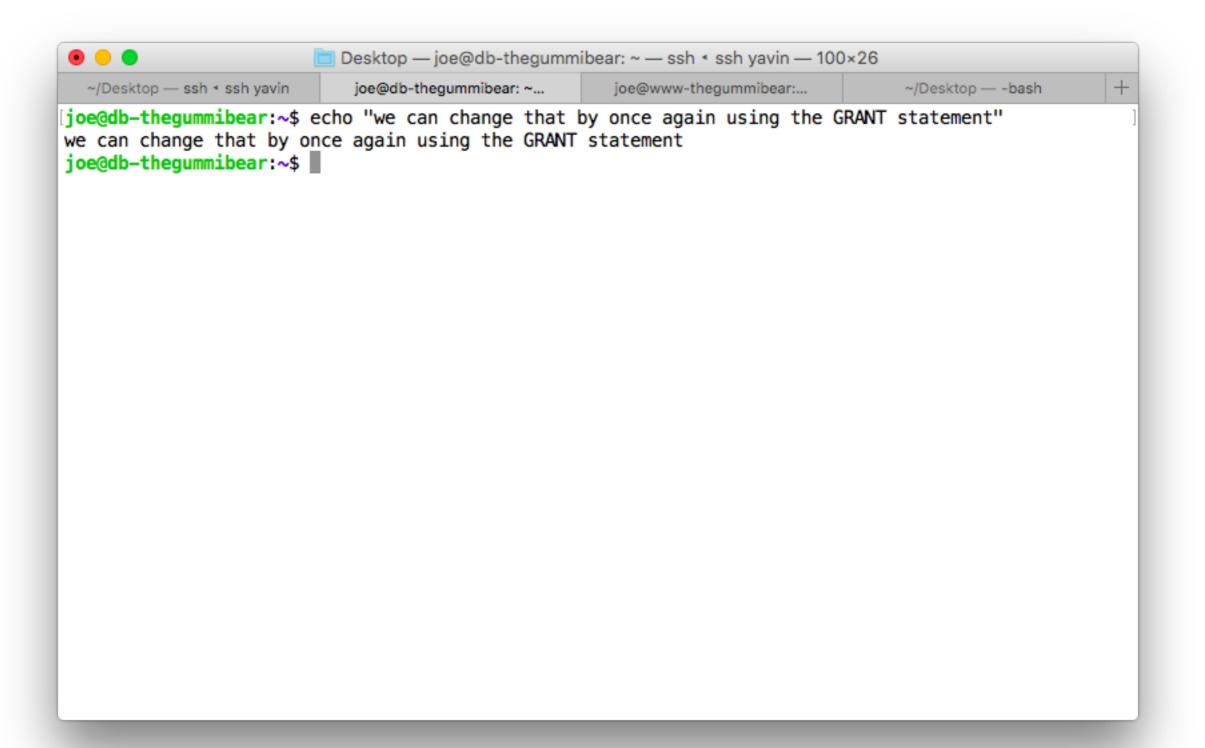


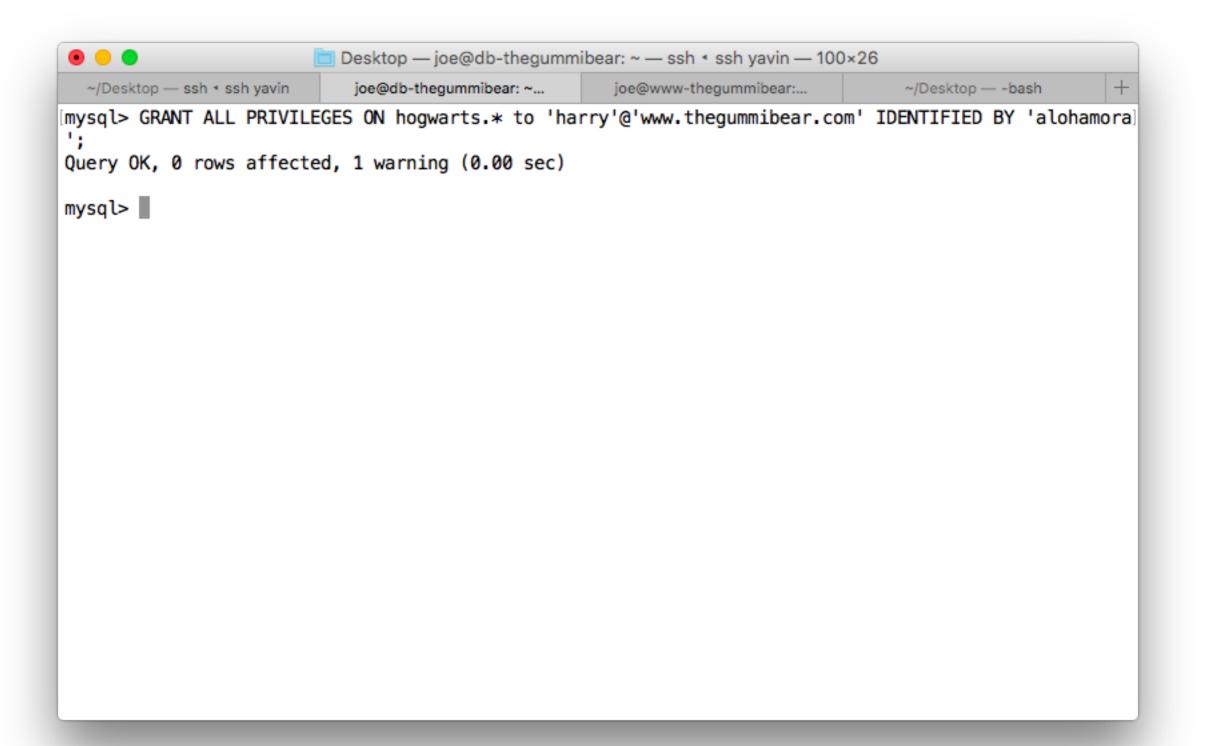


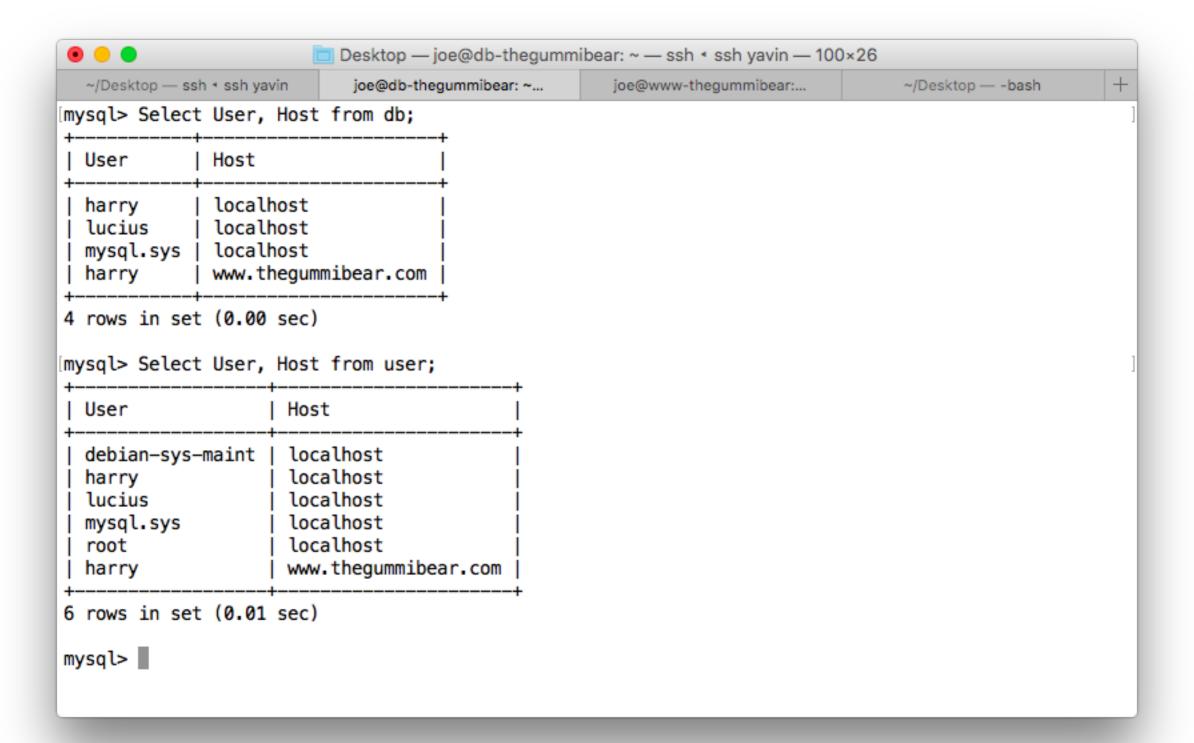






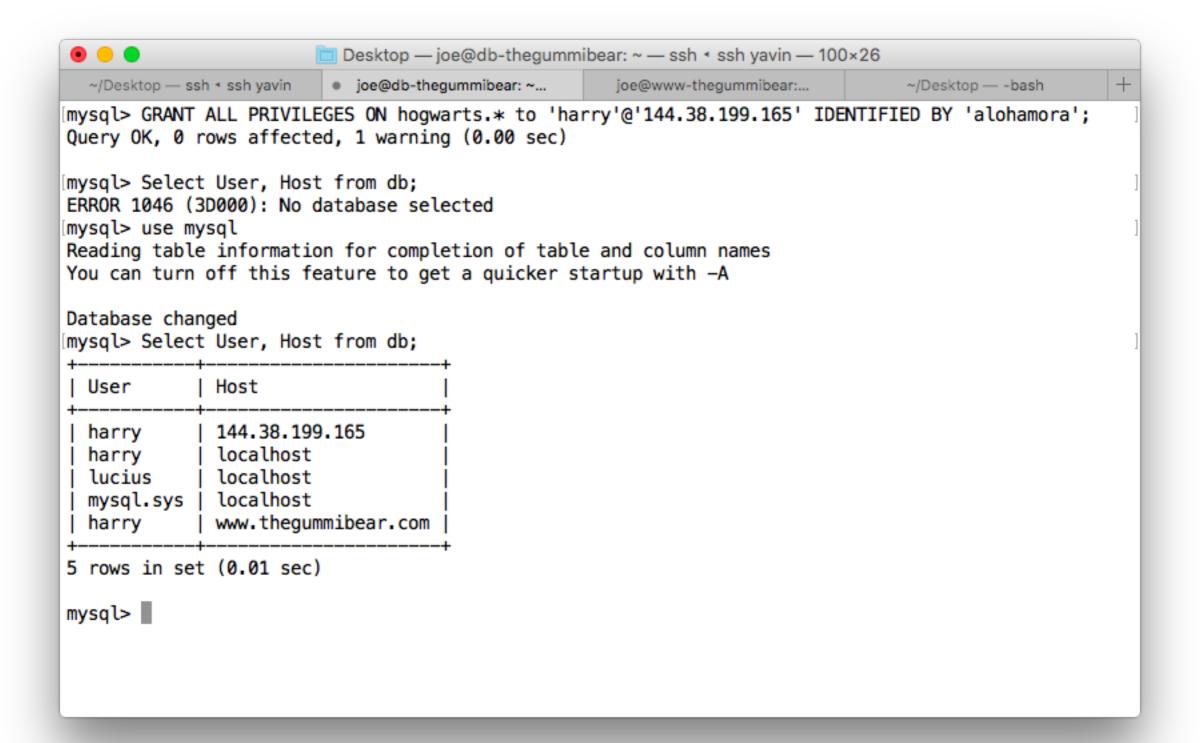






```
Desktop — joe@www-thegummibear: ~ — ssh 	

ssh yavin — 80×24
 ~/Desktop -- ssh * ssh yavin
                       joe@db-thegummibear: ~...
                                           joe@www-thegummibear:...
                                                                    ~/Desktop — -bash
[joe@www-thegummibear:~$ echo "Back on WWW, lets try connecting again"
Back on WWW, lets try connecting again
[joe@www-thegummibear:~$ mysql -h db.thegummibear.com -u harry -p
Enter password:
ERROR 1130 (HY000): Host '144.38.199.165' is not allowed to connect to this MySQ
L server
[joe@www-thegummibear:~$ echo "We allowed www.thegummibear.com. When connecting t]
o mysql, it looks like it connects using our IP"
We allowed www.thegummibear.com. When connecting to mysql, it looks like it conn
ects using our IP
joe@www-thegummibear:~$
```



```
Desktop — joe@www-thegummibear: ~ — ssh 	
ssh yavin — 80×24
  ~/Desktop -- ssh + ssh yavin
                       joe@db-thegummibear: ~...
                                          joe@www-thegummibear:...
                                                                    ~/Desktop -- -bash
[joe@www-thegummibear:~$ echo "Back on WWW, try again."
Back on WWW, try again.
[joe@www-thegummibear:~$ mysgl -h db.thegummibear.com -u harry -p
Enter password:
Welcome to the MySQL monitor. Commands end with; or \q.
Your MySQL connection id is 9
Server version: 5.7.15-0ubuntu0.16.04.1 (Ubuntu)
Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql>
```

