Restoring Accidently Deleted Root User in MySQL

If you, like me, have accidentally deleted your root user in MySQL, you will need to add the user manually.

First off, start MySQL with -skip-grant-tables by editing /etc/my.cnf

```
[mysqld]
skip_grant_tables
```

From there on, reboot MySQL with /etc/init.d/mysqld restart.

Then get into the MySQL CLI:

```
[root@test ~]# mysql
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 5.0.77 Source distribution
Type 'help;' or '\h' for help. Type '\c' to clear the buffer.
mysql>
```

You will probably notice that GRANTS do not work when MySQL is started with skip-grant-tables. The way to get around this is to manually insert a record into the user table.

Then enter the following query (replace NEW PASSWORD HERE):

If all went well, you should see the following after you run

```
SELECT * FROM mysql.user WHERE User = 'root';
```

```
mysql> SELECT * FROM mysql.USER;
Host: %
USER: root
Password: 5d95c890861e8dm65
```

```
09:04
Select priv: Y
Insert priv: Y
Update priv: Y
Delete priv: Y
Create priv: Y
Drop_priv: Y
Reload priv: Y
Shutdown priv: Y
Process priv: Y
File priv: Y
Grant priv: Y
References_priv: Y
Index priv: Y
Alter priv: Y
Show_db_priv: Y
Super priv: Y
Create tmp table priv: Y
Lock tables priv: Y
Execute priv: Y
Repl slave priv: Y
Repl client priv: Y
Create view priv: Y
Show view priv: Y
Create routine priv: Y
Alter routine priv: Y
Create user priv: Y
ssl type:
ssl cipher:
x509 issuer:
x509 subject:
max questions: 0
max updates: 0
max connections: 0
```

Now you can go ahead and edit /etc/my.cnf again to remove skip_grant_tables, reboot MySQL and you should be able to login to MySQL with your newly created root account.

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max user connections: 0



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