Backup Database from Remote Server

First you will need to install the MySQL Client Tools:

```
sudo apt-get install mysql-client (this will install among other things mysqldump)
```

Now you can do the backup, there are a couple of considerations:

1. Your user must have the rights (normally user accounts are localhost limited) I created a user with global rights '%'

```
CREATE USER 'newuser'@'localhost' IDENTIFIED BY 'password';

  EG: CREATE USER 'admin'@'%' IDENTIFIED BY 'password';
Once created, the user requires permissions
  GRANT ALL PRIVILEGES ON * . * TO 'newuser'@'localhost';
If you want to be able to access the server from anywhere, replace localhost with %
  GRANT ALL PRIVILEGES ON * . * TO 'admin'@'%';
```

SUPER IMPORTANT Comment these lines in /etc/mysql/my.cnf
<>OR SQL WILL ONLY ACCEPT LOCAL CONNECTIONS</color>

```
  skip-networking\\
  bind-address = 127.0.0.1\\
```

2. You must have rights to write to the target directory (easily overlooked)
3. The backup might take a few minutes, be prepared to wait.

```
  Now we can execute the following command:
  mysqldump --host ipaddress -P port -u user -pPassword databasename > savename.sql
  mysqldump --host 10.0.0.1 -P 3306 -u root -pRootPassword gallery > gallery.sql
```