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MSDS 7346
Mini-Project 1
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Question 1: Capture the resulting output as a screen capture or grab and turn in the resulting pdf showing both the query and the results.

```
[mysql> SELECT User, Host FROM mysql.user;
+-----+-----+
| User           | Host       |
+-----+-----+
| debian-sys-maint | localhost  |
| mysql.session   | localhost  |
| mysql.sys       | localhost  |
| root            | localhost  |
+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql>
```

Step 1: Create an instance on EC2

The screenshot displays the AWS Management Console interface. On the left, the navigation menu includes sections for EC2 Dashboard, INSTANCES, IMAGES, ELASTIC BLOCK STORE, NETWORK & SECURITY, and LOAD BALANCING. The 'INSTANCES' section is expanded, showing a list of instances. A table lists the instance 'MyEC2' with details: Instance ID i-0b3bcaee1a0050bde, Instance Type t2.micro, Availability Zone us-east-2c, Instance State running, Status Checks Initializing, Alarm Status None, and Public DNS (IPv4) ec2-13-58-61-66. Below the table, the 'Description' tab is selected, showing instance details: Instance ID i-0b3bcaee1a0050bde, Instance state running, Instance type t2.micro, Public DNS (IPv4) ec2-13-58-61-66.us-east-2.compute.amazonaws.com, IPv4 Public IP 13.58.61.66, IPv6 IPs -, and Private DNS ip-172-31-38-121.us-east-2.compute.amazonaws.com.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
MyEC2	i-0b3bcaee1a0050bde	t2.micro	us-east-2c	running	Initializing	None	ec2-13-58-61-66.us-east-2.compute.amazonaws.com

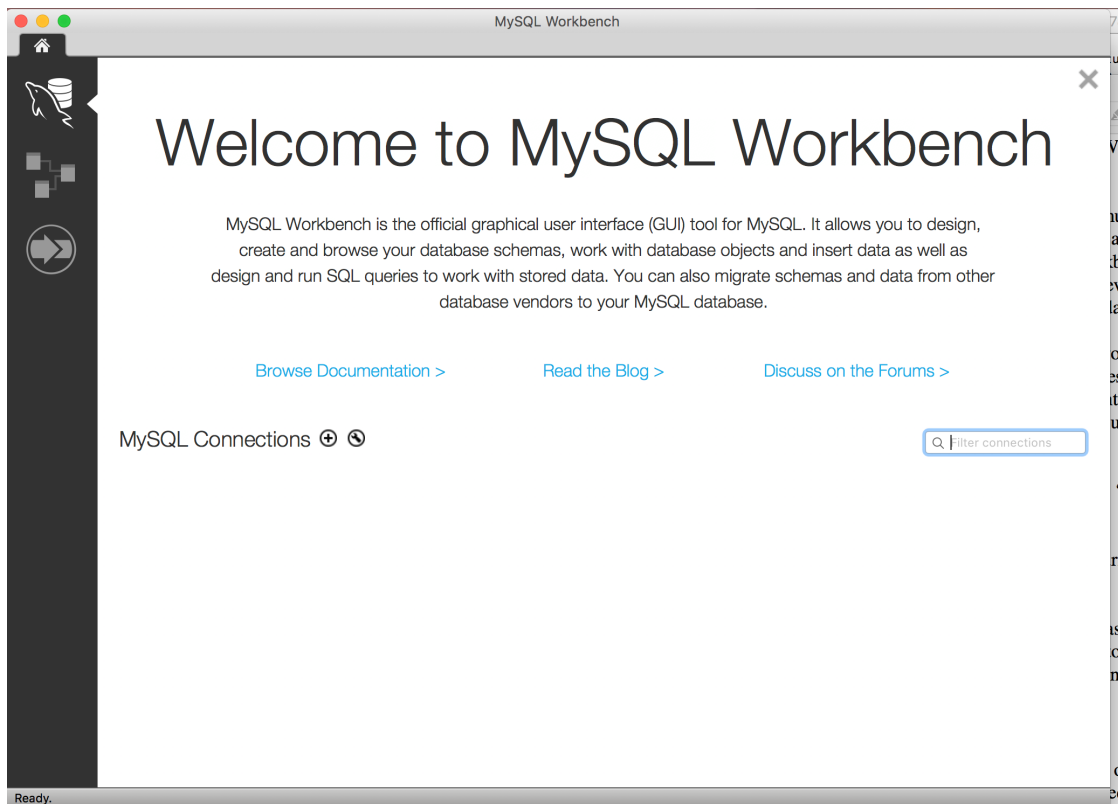
Instance: i-0b3bcaee1a0050bde (MyEC2)		Public DNS: ec2-13-58-61-66.us-east-2.compute.amazonaws.com	
Instance ID	i-0b3bcaee1a0050bde	Public DNS (IPv4)	ec2-13-58-61-66.us-east-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	13.58.61.66
Instance type	t2.micro	IPv6 IPs	-
Elastic IPs		Private DNS	ip-172-31-38-121.us-east-2.compute.amazonaws.com

Step 2: Download and install MySQL on EC2

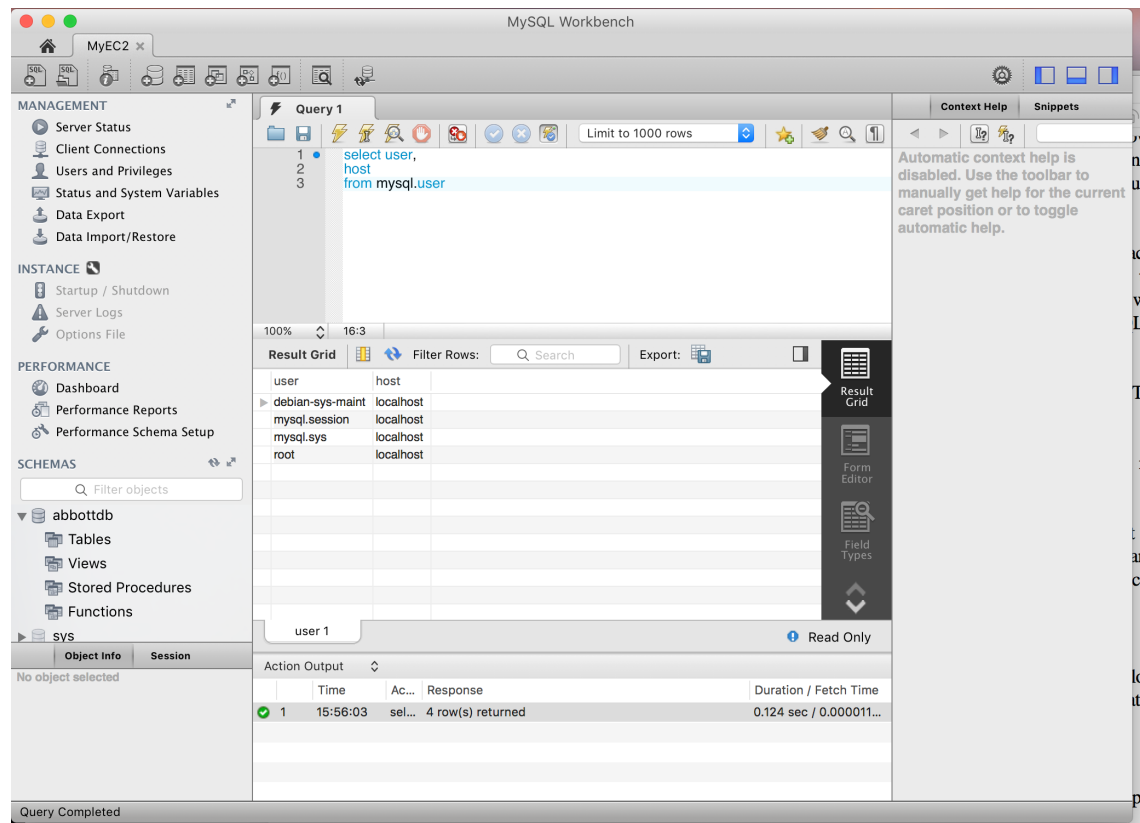
```
andrewabbott — ubuntu@ip-172-31-20-178: ~ — ssh -i ~/.ssh/MyEC2.pem ubuntu@ec2-18-220-51...
Setting up libaio1:amd64 (0.3.110-2) ...
Setting up mysql-client-core-5.7 (5.7.19-0ubuntu0.16.04.1) ...
Setting up mysql-client-5.7 (5.7.19-0ubuntu0.16.04.1) ...
Setting up mysql-server-core-5.7 (5.7.19-0ubuntu0.16.04.1) ...
Setting up libevent-core-2.0-5:amd64 (2.0.21-stable-2ubuntu0.16.04.1) ...
Setting up mysql-server-5.7 (5.7.19-0ubuntu0.16.04.1) ...
update-alternatives: using /etc/mysql/mysql.cnf to provide /etc/mysql/my.cnf (my.cnf) in auto mode
Renaming removed key_buffer and myisam-recover options (if present)
Setting up libhtml-template-perl (2.95-2) ...
Setting up mysql-server (5.7.19-0ubuntu0.16.04.1) ...
Processing triggers for libc-bin (2.23-0ubuntu9) ...
Processing triggers for systemd (229-4ubuntu19) ...
Processing triggers for ureadahead (0.100.0-19) ...
ubuntu@ip-172-31-20-178:~$ sudo service mysql status
● mysql.service - MySQL Community Server
   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
   Active: active (running) since Mon 2017-09-04 20:18:15 UTC; 52s ago
     Main PID: 10215 (mysqld)
    CGroup: /system.slice/mysql.service
            └─10215 /usr/sbin/mysqld

Sep 04 20:18:14 ip-172-31-20-178 systemd[1]: Starting MySQL Community Server...
Sep 04 20:18:15 ip-172-31-20-178 systemd[1]: Started MySQL Community Server.
ubuntu@ip-172-31-20-178:~$
```

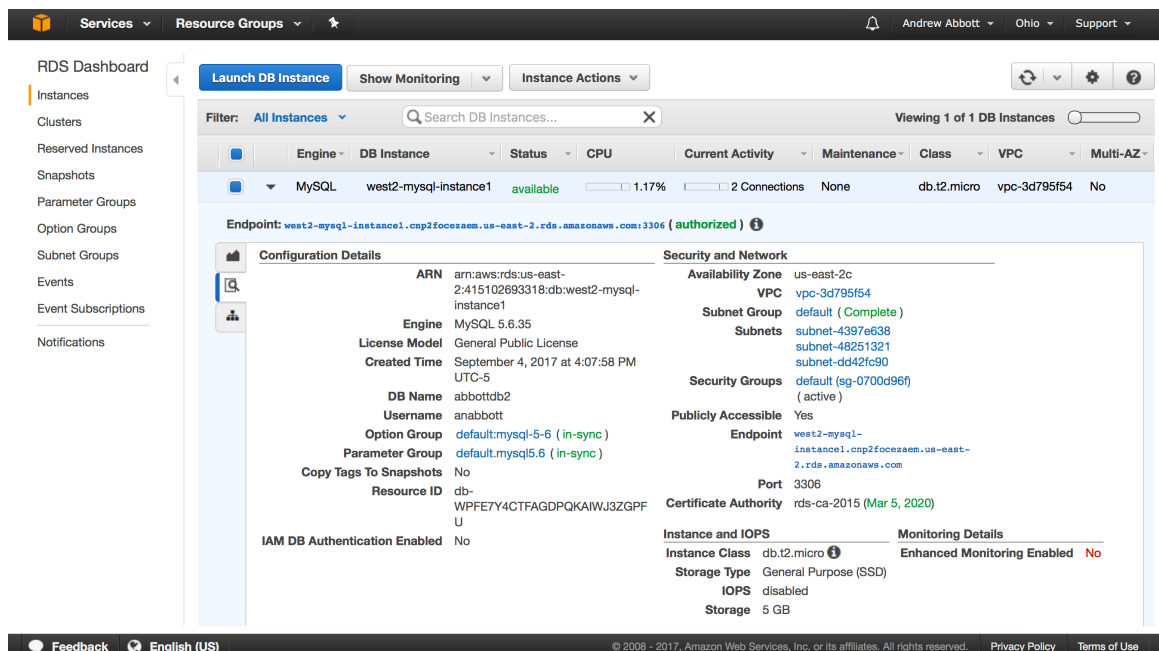
Step 3: Download (if you don't already have) MySQL Workbench on your local machine



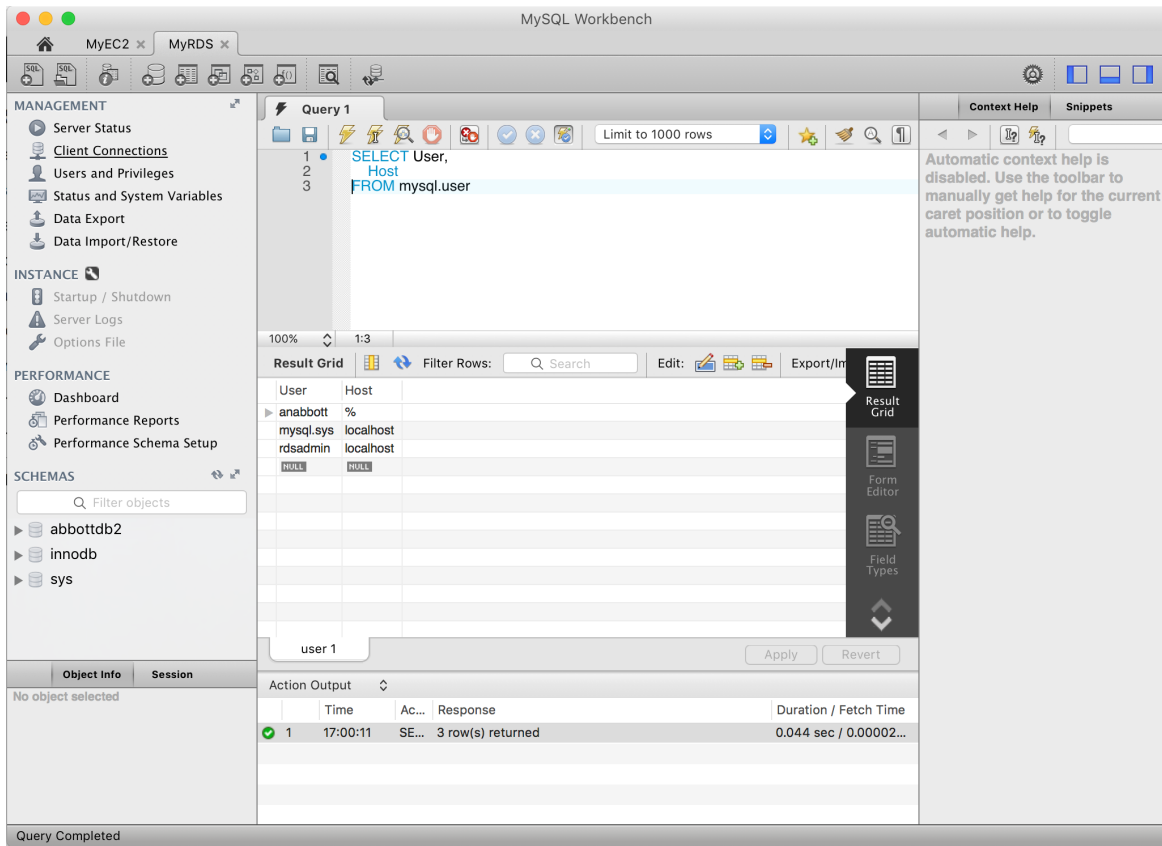
Step 4: Connect MySQL Workbench to EC2 instance (you will need to create keys)



Step 5: Create MySQL instance on RDS



Step 6: Connect your local MySQL Workbench to MySQL on RDS



For all sections of this project I had no collaborators and used only these instructions and the AWS guides.