Felipe Guth - 142110231

1. Date and time of this instance.

```
[ec2-user@ip-172-31-38-74 home]$ date
Thu Feb 19 15:27:25 UTC 2015
```

2. How long has the system been running?

```
[ec2-user@ip-172-31-38-74 home]$ uptime
 15:30:57 up 44 min,  1 user,  load average: 0.00, 0.04, 0.05
```

3. Name and version of Operating Systems running on this instance.

```
[ec2-user@ip-172-31-38-74 home]$ cat /etc/*release
NAME="Amazon Linux AMI"
VERSION="2014.09"
ID="amzn"
ID_LIKE="rhel fedora"
VERSION_ID="2014.09"
PRETTY_NAME="Amazon Linux AMI 2014.09"
ANSI_COLOR="0;33"
CPE_NAME="cpe:/o:amazon:linux:2014.09:ga"
HOME_URL="http://aws.amazon.com/amazon-linux-ami/"
Amazon Linux AMI release 2014.09
```

4. Who is logged in?

```
[ec2-user@ip-172-31-38-74 home]$ who
ec2-user pts/0        2015-02-19 15:08 (dhcp-892b7959.ucd.ie)
```

5. Who is running what? (Hint: using top or ps command)

```
[ec2-user@ip-172-31-38-74 home]$ top

top - 15:40:30 up 53 min,  1 user,  load average: 0.00, 0.01, 0.05
Tasks:  61 total,   1 running,  60 sleeping,   0 stopped,   0 zombie
Cpu(s):  0.0%us,  0.0%sy,  0.0%ni,100.0%id,  0.0%wa,  0.0%hi,  0.0%si,  0.0%st
Mem:   1020196k total,   488716k used,   531480k free,    14908k buffers
Swap:        0k total,        0k used,        0k free,   413364k cached

  PID USER      PR  NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
    1 root      20   0 19480 1600 1284 S  0.0  0.2   0:00.51 init
    2 root      20   0     0    0    0 S  0.0  0.0   0:00.00 kthreadd
    3 root      20   0     0    0    0 S  0.0  0.0   0:00.09 ksoftirqd/0
    5 root       0 -20     0    0    0 S  0.0  0.0   0:00.00 kworker/0:0H
    6 root      20   0     0    0    0 S  0.0  0.0   0:00.05 kworker/u30:0
```

```
  7 root      20   0     0    0    0 S  0.0  0.0   0:00.25 rcu_sched
  8 root      20   0     0    0    0 S  0.0  0.0   0:00.00 rcu_bh
  9 root      RT   0     0    0    0 S  0.0  0.0   0:00.00 migration/0
 10 root       0 -20     0    0    0 S  0.0  0.0   0:00.00 khelper
 11 root      20   0     0    0    0 S  0.0  0.0   0:00.00 kdevtmpfs
 12 root       0 -20     0    0    0 S  0.0  0.0   0:00.00 netns
 13 root      20   0     0    0    0 S  0.0  0.0   0:00.00 kworker/u30:1
 19 root      20   0     0    0    0 S  0.0  0.0   0:00.00 xenwatch
 20 root      20   0     0    0    0 S  0.0  0.0   0:00.00 xenbus
 21 root      20   0     0    0    0 S  0.0  0.0   0:00.11 kworker/0:1
115 root       0 -20     0    0    0 S  0.0  0.0   0:00.00 writeback
118 root      25   5     0    0    0 S  0.0  0.0   0:00.00 ksmd
```

6. Which devices are there?

```
lspci
00:00.0 Host bridge: Intel Corporation 440FX - 82441FX PMC [Natoma] (rev 02)
00:01.0 ISA bridge: Intel Corporation 82371SB PIIX3 ISA [Natoma/Triton II]
00:01.1 IDE interface: Intel Corporation 82371SB PIIX3 IDE [Natoma/Triton II]
00:01.3 Bridge: Intel Corporation 82371AB/EB/MB PIIX4 ACPI (rev 01)
00:02.0 VGA compatible controller: Cirrus Logic GD 5446
00:03.0 Unassigned class [ff80]: XenSource, Inc. Xen Platform Device (rev 01)

lsblk
NAME    MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
xvda    202:0    0   8G  0 disk
└─xvda1 202:1    0   8G  0 part /
```

7. What has the user been doing? (command-line history)

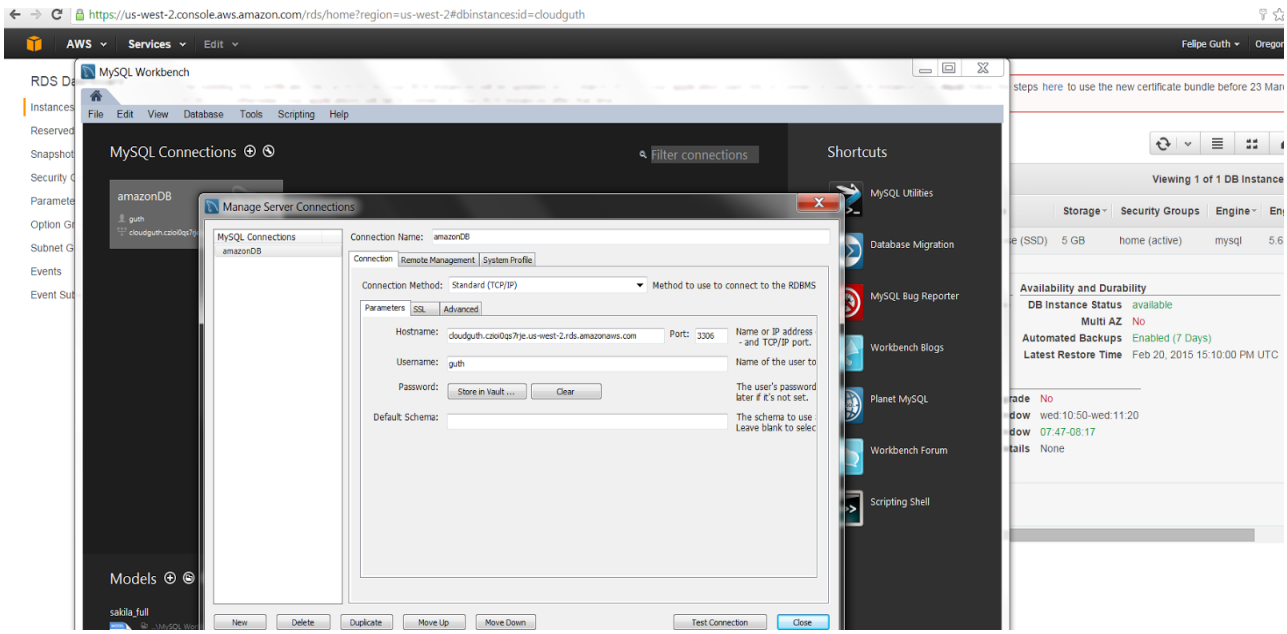
```
[ec2-user@ip-172-31-38-74 home]$ history
    1  pwd
    2  ls
    3  ec2-describe-instance-status
    4  ec2-describe-instance-status -A
    5  touch
    6  sudo apt-get update
    7  sudo apt-get-install update
    8  ls
    9  pwd
```

```
10  cd
11  ls
12  pwd
13  sudo yum update
14  ec2-describe-instance-status i-c77c61cd
15  ec2-describe-instance-status i-c77c61cd -A
16  descrybe-instance-status
17  sudo apt-get update
18  ls
19  pwd
20  cd ..
21  sudo datetime
22  c2-describe-instance-status
23  ec2-describe-instance-status
24  cli
25  ec2-describe-instance-status -0
26  ec2-describe-instance-status -o
27  ec2-describe-instance-status -h
28  ec2-describe-instance-status
29  ec2-describe-instance-status -O
30  export AWS_ACCESS_KEY=AKIAJK4CKQACI6AHDTLQ
31  export AWS_SECRET_KEY=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
32  source ~/.bashrc
33  ec2-describe-regions
34  ec2-describe-instance-status
35  ec2-describe-instance-status i-c77c61cd
36  ec2-describe-instance-status -A
37  describe-instance-status
38  aws ec2 describe-instance-status
39  date
40  uptime
41  uname
42  uname -a
43  uname -rv
44  uname -n
45  ls /etc/*release
46  ls /etc/*os-release
47  ls /etc/os-release
48  lsb_release -a
49  lsb_release
50  lsb_release -si
51  cat /etc/*version
52  cat /etc/os-release
```

```
53  cat /etc/*release
54  sho
55  who
56  top
57  lshw
58  lsdev
59  lsblk
60  lshw
61  hwinfo
62  lspci
63  lsscsi
64  lsusb
65  lnxi
66  lsscsi
67  inxi
68  inxi -Fx
69  lsblk
70  df
71  df -H
72  history n
73  history
```

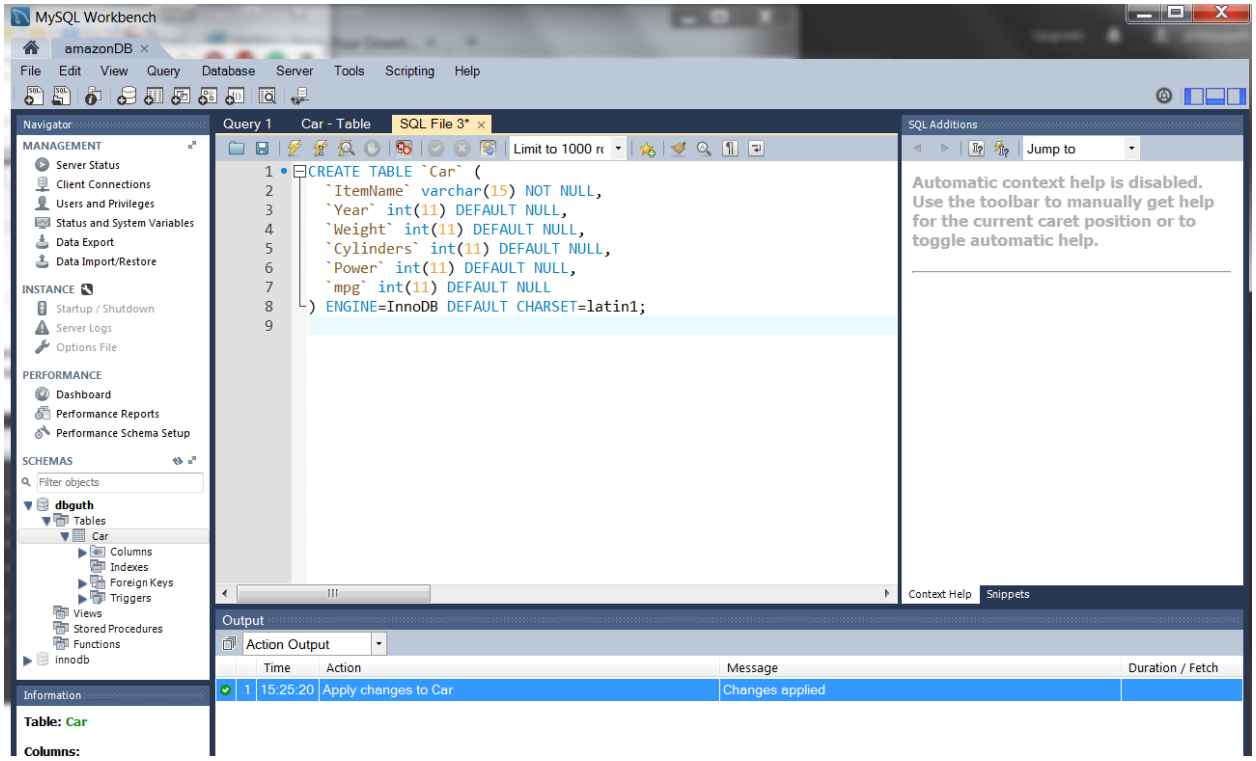
II. Using SimpleDB Using AWS Simple DB

To perform the tasks 1-5 of the section 2, I installed the MySQL Workbench and allowed the access in Amazon. The MySQL Workbench is a much better tool that the Amazon Scratchpad. Following is the image of the connection parameters.

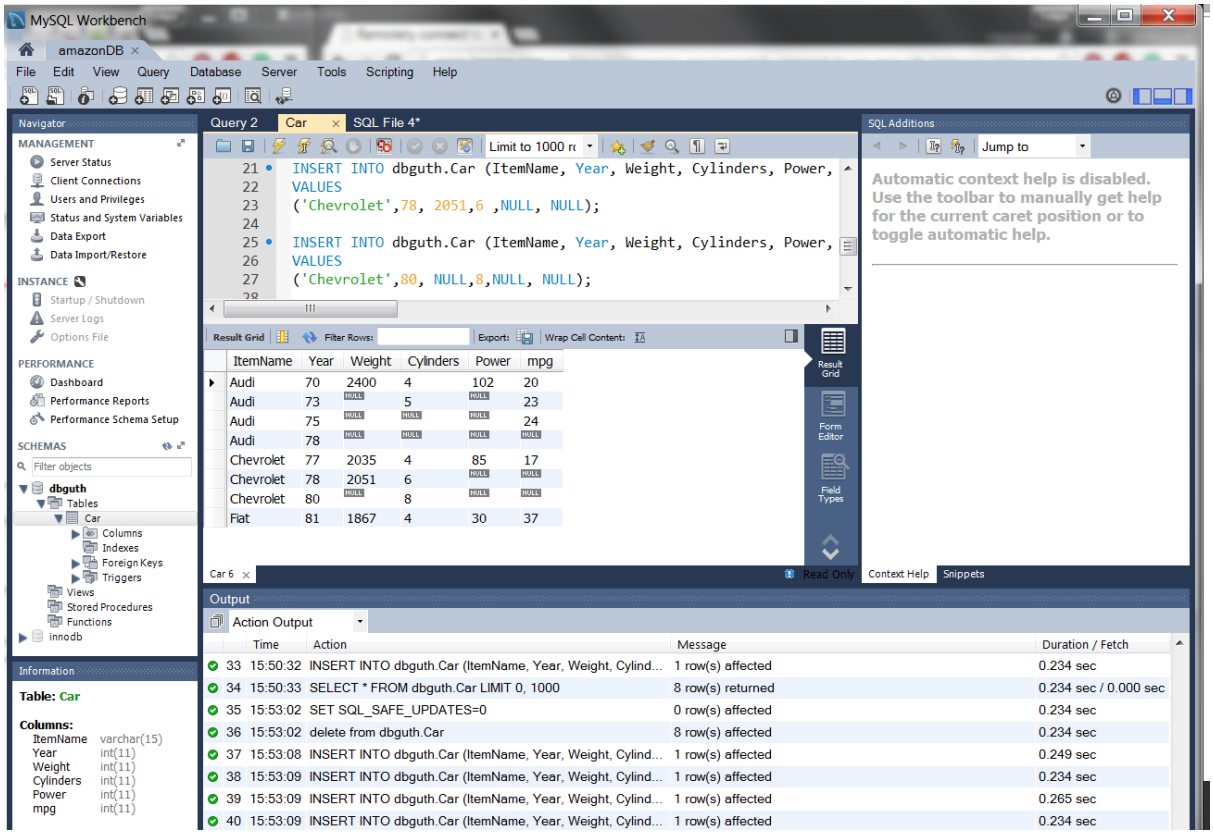


1. Create the Domain Car as follows:

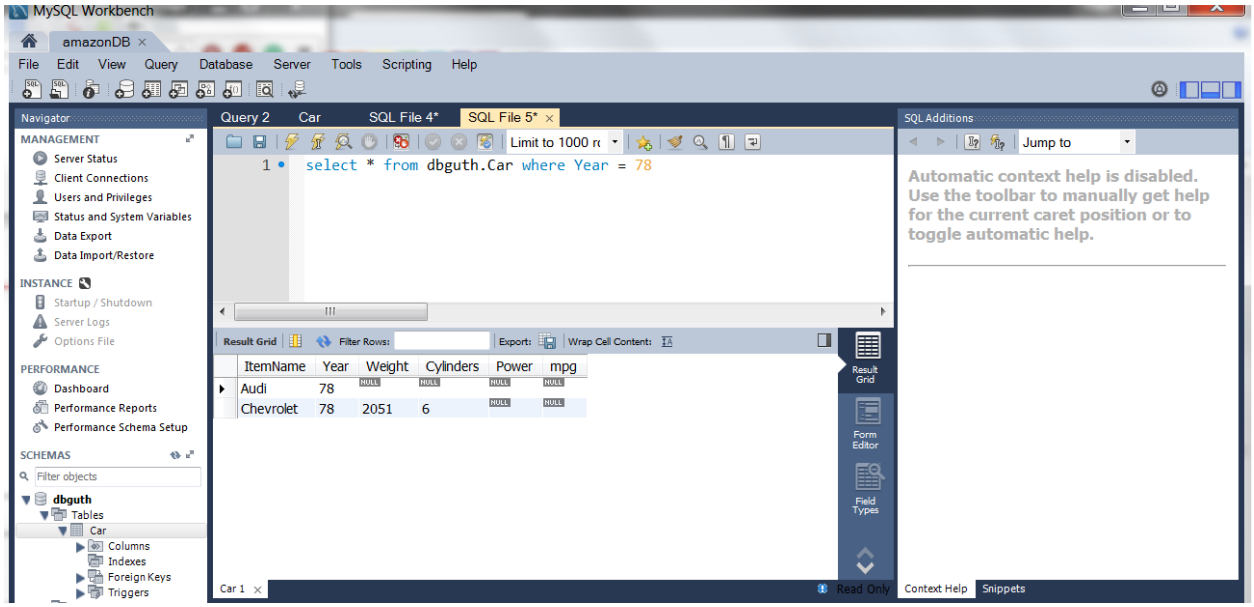
Creating Domain/Table



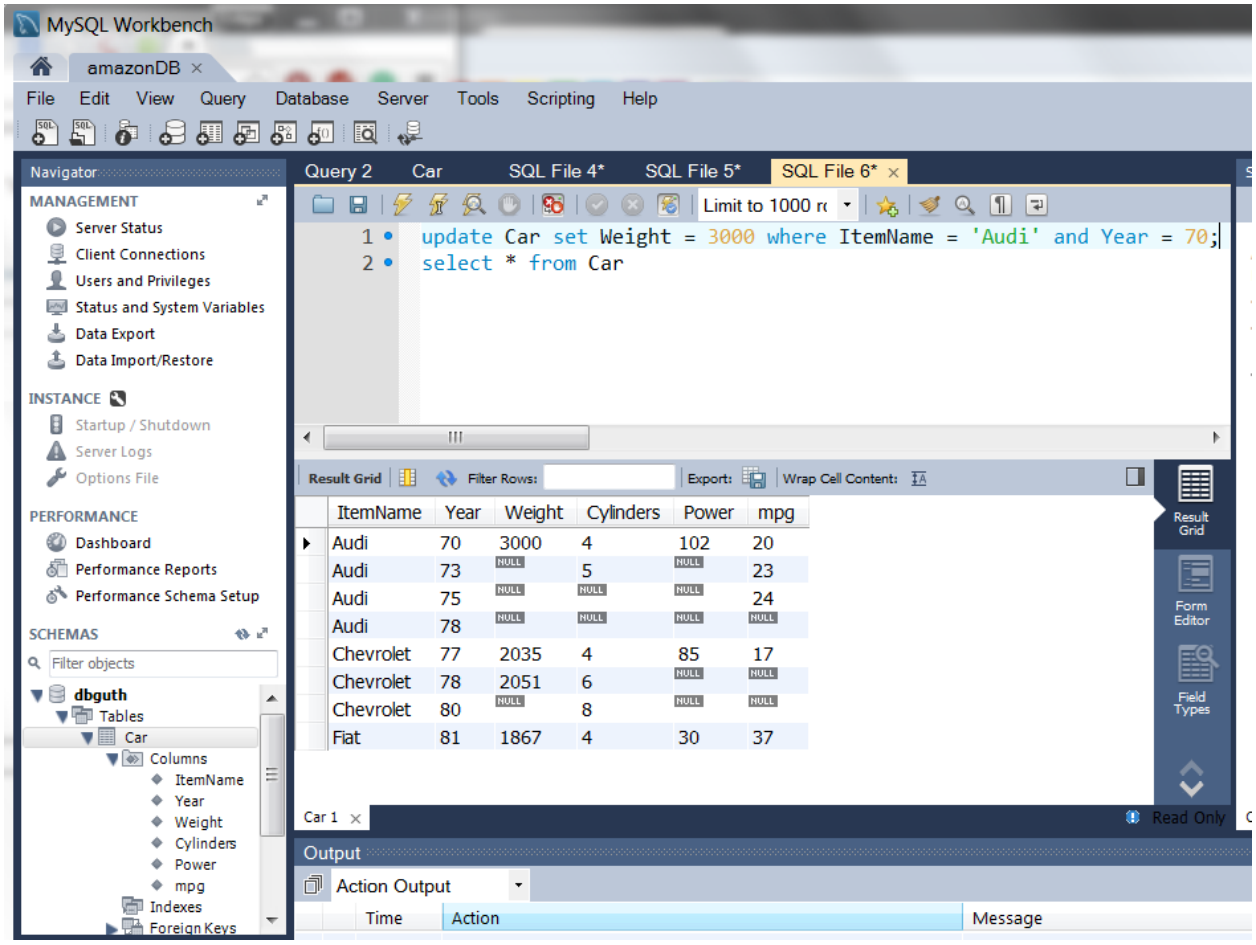
Inserting Data



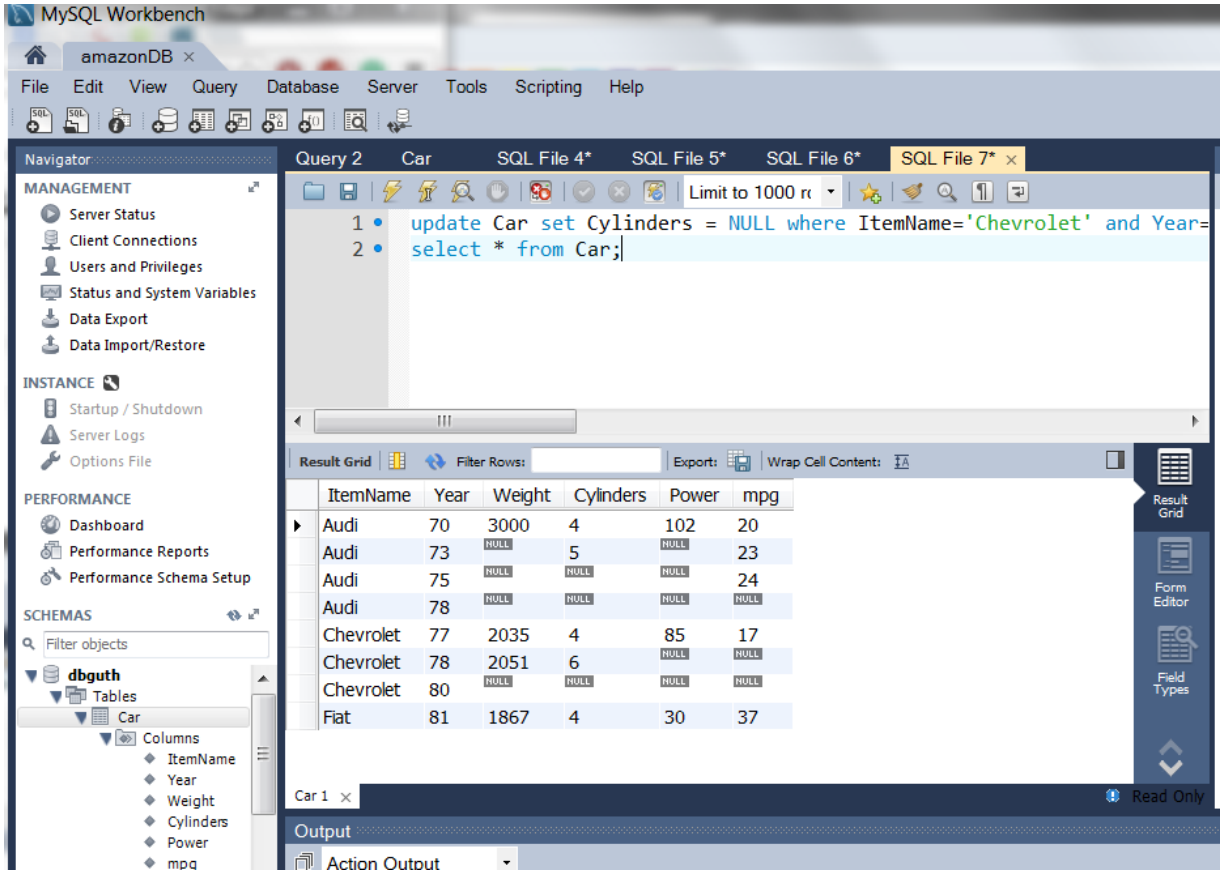
2. Query the Domain Car for all items with Year 78



3. Update the Weight attribute of Audi with 3000



4. Delete the value 8 from the Cylinders attribute of Chevrolet



5. Delete the Domain Car