

CSC263 Database Systems

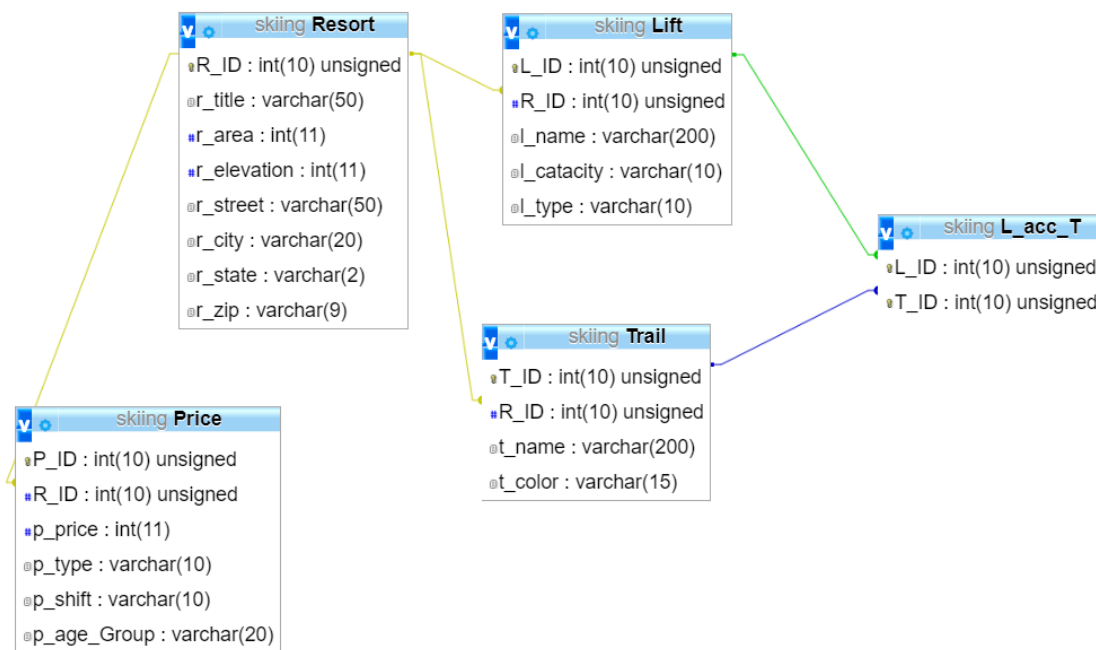
Laboratory Assignment #5

Goals: To learn and practice writing and executing basic SQL queries in MySQL.

Objectives: After successfully completing the lab, a student should be able to become better in writing basic queries in SQL.

Requirements:

1. In this lab you will learn to write and execute some basic SQL queries for a new database, “Ski New England”. “Ski New England” is a database that contains stores, manages and allows information retrieval on all New England ski resorts. It has the following schema.



2. Follow the following instructions to establish the database. Take a screenshot of the list of tables after you establish the database in your account.
 - a. Use phpMyAdmin to login to your database space.
 - b. Establish the database by importing the given “skiNewEngland.sql” script.
 - c. Check to make sure that you have the correct number of tuples in each table, i.e., 63 in “Resort”; 331 in “Lift”; 2558 in “Trails”; 252 in “Price”; 747 in “L_acc_T”

3. Write and execute the following queries. Make sure that you write (type out) each query in the lab report, and make sure that you take screenshot of the execution result of each query. The output of each query must follow the display format given, including the title names. When a query returns too many records that it is not practical to show them all, you only need to show the first 25 of them, but you must show the message that shows the total number of resorts returned.

Query 1. List all ski resorts in New England in ascending order of the resort names (alphabetically).

Query Used: “ SELECT r_title As 'Resort Name', r_state As ' StateName' FROM `Resort` ORDER BY r_title ASC “

Resort Name	State Name
-------------	------------

✓ Showing rows 0 - 24 (63 total, Query took 0.0006 seconds.)

```
SELECT r_title As 'Resort Name', r_state As ' StateName' FROM `Resort` ORDER BY r_title ASC
```

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Sort by key: None

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Resort Name	StateName
Arrowhead	NH
Attitash	NH
Berkshire East	MA
Bigrock	ME
Black Mountain	NH
Black Mountain	ME
Blandford	MA
Blue Hills	MA
Bolton Valley	VT
Bousquet	MA
Bretton Woods	NH
Bromley	VT
Burke Mountain	VT
Camden Snow Bowl	ME
Cannon Mountain	NH
Catamount	MA
Cochran's Ski Area	VT
Cranmore Mountain	NH
Crotched Mountain	NH
Dartmouth Skiway	NH
Granite Gorge	NH
Gunstock Mountain	NH
Hermon Mountain	ME
Jay Peak	VT
Jiminy Peak	MA

Query 2. List all ski resort in New Hampshire in the ascending order of the resort names. Q: How many records were returned by this query?

Query Used: “ SELECT r_title As 'Resort Name', r_street As 'Street', r_city As 'City', r_zip As 'Zip Code' FROM `Resort` WHERE r_state LIKE '%NH%' ORDER BY r_title ASC ”

18 total returned (0-17)

Resort Name	Street	City	Zip Code
-------------	--------	------	----------

✓ Showing rows 0 - 17 (18 total, Query took 0.0006 seconds.)

```
SELECT r_title As 'Resort Name', r_street As 'Street', r_city As 'City', r_zip As 'Zip Code' FROM `Resort` WHERE r_state LIKE '%NH%' ORDER BY r_title ASC
```

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Sort by key:

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Resort Name	Street	City	Zip Code
Arrowhead	18 Robert Easter Way	Claremont	03743
Attitash	775 US-302	Bartlett	03812
Black Mountain	373 Black Mountain Rd	Jackson	03846
Bretton Woods	99 Ski Area Road	Bretton Woods	03575
Cannon Mountain	260 Tramway Drive	Franconia	03580
Cranmore Mountain	1 Skimobile Rd	North Conway	03860
Crotched Mountain	615 Francestown Rd	Bennington	03442
Dartmouth Skiway	39 Grafton Turnpike	Lyme Center	03769
Granite Gorge	341 NH-9	Roxbury	03431
Gunstock Mountain	719 Cherry Valley Rd	Gilford	03249
King Pine	1251 Eaton Rd	Madison	03849
Loon Mountain	60 Loon Mountain Road	Lincoln	03251
Mount Sunapee	1398 Route 103	Newbury	03255
Pats Peak	686 Flanders Rd	Henniker	03242
Ragged Mountain	620 Ragged Mountain Rd	Danbury	03230
Waterville Valley	1 Ski Area Rd	Waterville Valley	03215
Whaleback	160 Whaleback Mountain Rd	Enfield	03748
Wildcat Mountain	542 NH-16	Jackson	03846

Query 3. List all ski resorts in New England in the descending order of their elevations.

**Query Used: “ SELECT r_title As 'Resort Name', r_elevation As 'Elevation' FROM Resort
ORDER BY r_elevation DESC”**

Resort Name	Elevation
-------------	-----------

✓ Showing rows 0 - 24 (63 total, Query took 0.0005 seconds.)

```
SELECT r_title As 'Resort Name', r_elevation As 'Elevation' FROM Resort ORDER BY r_elevation DESC
```

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Sort by key: None

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Resort Name	Elevation
Sugarloaf	2820
Sugarbush	2650
Smugglers' Notch	2610
Stowe	2360
Sunday River	2340
Cannon Mountain	2330
Jay Peak	2153
Wildcat Mountain	2112
Loon Mountain	2109
Okemo Mountain	2100
Waterville Valley	2020
Burke Mountain	2011
Stratton Mountain	2003
Mad River Glen	2000
Saddleback	2000
Pico Mountain	1967
Attitash	1750
Mount Snow	1700
Magic Mountain	1700
Killington	1645
Bolton Valley	1625
Mount Sunapee	1510
Bretton Woods	1500
Gunstock Mountain	1400
Black Mountain	1380

Query 4. List top 10 largest ski resorts in New England in the descending order of their areas.

Query Used: “ SELECT r_title As 'Resort Name', r_area As 'Resort Area' FROM Resort ORDER BY r_area DESC LIMIT 10”

Resort Name	Resort Area
-------------	-------------

✓ Showing rows 0 - 9 (10 total, Query took 0.0005 seconds.)

```
SELECT r_title As 'Resort Name', r_area As 'Resort Area' FROM Resort ORDER BY r_area DESC LIMIT 10
```

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Sort by key: None ▼

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Resort Name	Resort Area
Killington	1509
Sugarloaf	1400
Smugglers' Notch	1000
Sunday River	870
Okemo Mountain	632
Stratton Mountain	625
Mount Snow	588
Sugarbush	578
Mount Abram	560
Stowe	485

Query 5. Find the ski resort in New England that has the highest elevation.

Query Used: “ SELECT r_title As 'Resort Name' , r_elevation As 'Highest Elevation' FROM Resort ORDER BY r_elevation DESC LIMIT 1”

Resort Name	Highest Elevation
✓ Showing rows 0 - 0 (1 total, Query took 0.0005 seconds.)	
<pre>SELECT r_title As 'Resort Name' , r_elevation As 'Highest Elevation' FROM Resort ORDER BY r_elevation DESC LIMIT 1</pre>	
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Resort Name	Highest Elevation
Sugarloaf	2820

Query 6. What is the area of the largest ski resort in New England? Output this area as:

Query Used: “ SELECT r_area As 'Largest Ski Resort Area in New England' FROM Resort ORDER BY r_area DESC LIMIT 1 ”

Largest Ski Resort Area in New England

✓ Showing rows 0 - 0 (1 total, Query took 0.0004 seconds.)

```
SELECT r_area As 'Largest Ski Resort Area in New England' FROM Resort ORDER BY r_area DESC LIMIT 1
```

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Largest Ski Resort Area in New England
1509

Query 7. Which is the largest ski resort in New England?

Query Used: “SELECT r_title As 'Largest Ski Resort in New England' FROM Resort ORDER BY r_area DESC LIMIT ”

Largest Ski Resort in New England

✓ Showing rows 0 - 0 (1 total, Query took 0.0005 seconds.)

```
SELECT r_title As 'Largest Ski Resort in New England' FROM Resort ORDER BY r_area DESC LIMIT 1
```

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Largest Ski Resort in New England

Killington

Query 8. Find the smallest ski resort in New England. Print the ski resort name and its area.

Query Used: “SELECT r_title As 'Resort Name', r_area As 'Smallest Area' FROM Resort WHERE r_area IS NOT NULL ORDER BY r_area ASC LIMIT 1 ”

Resort Name	Smallest Area
-------------	---------------

✓ Showing rows 0 - 0 (1 total, Query took 0.0005 seconds.)

```
SELECT r_title As 'Resort Name', r_area As 'Smallest Area' FROM Resort WHERE r_area IS NOT NULL ORDER BY r_area ASC LIMIT 1
```

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Resort Name Smallest Area

Granite Gorge

25

Query 9. Count and display the number of ski resorts New England.

Query Used: “SELECT COUNT(R_ID) As 'Total Number of Ski Resorsts in New England' FROM Resort ”

Total Number of Ski Resorts in New England
63

Your SQL query has been executed successfully.

```
SELECT COUNT(R_ID) As 'Total Number of Ski Resorsts in New England' FROM Resort
```

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Total Number of Ski Resorsts in New England

63

Query 10. Count and display the number of ski resorts in each state of New England.

Query Used: “SELECT r_state As 'State', COUNT(R_ID) As 'Total Number of Ski Resorsts in New England' FROM Resort GROUP BY r_state ORDER BY r_state ASC ”

State	Total Number of Ski Resorts in State
CT	4
MA	12
ME	11
NH	18
RI	1
VT	17

✓ Showing rows 0 - 5 (6 total, Query took 0.0007 seconds.)

```
SELECT r_state As 'State', COUNT(R_ID) As 'Total Number of Ski Resorsts in New England' FROM Resort GROUP BY r_state ORDER BY r_state ASC
```

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State	Total Number of Ski Resorsts in New England
CT	4
MA	12
ME	11
NH	18
RI	1
VT	17

Query 11. In ascending order of resort names, list all information on prices for all ski resorts in New England. Use the following display format.

Query Used: “ SELECT a.r_title As 'Resort Name', b.p_shift As 'Day', b.p_type As 'Type', b.p_age_Group As 'Age Group', b.p_price As '\$\$\$' FROM Resort a, Price b WHERE a.R_ID = b.R_ID ORDER BY a.r_title ASC ”

Resort Name	Day	Type	Age Group	\$\$\$
-------------	-----	------	-----------	--------

✓ Showing rows 0 - 24 (252 total, Query took 0.0008 seconds.)

```
SELECT a.r_title As 'Resort Name', b.p_shift As 'Day', b.p_type As 'Type', b.p_age_Group As 'Age Group', b.p_price As '$$$' FROM Resort a, Price b WHERE a.R_ID = b.R_ID ORDER BY a.r_title ASC
```

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Resort Name	Day	Type	Age Group	\$\$\$
Attitash	weekday	lift	adult	75
Attitash	weekday	lift	teen	54
Attitash	weekday	lift	senior	50
Attitash	weekend	lift	adult	79
Attitash	weekend	lift	teen	59
Attitash	weekend	lift	senior	54
Berkshire East	weekday	lift	adult	45
Berkshire East	weekday	lift	teen	45
Berkshire East	weekday	lift	senior	30
Berkshire East	weekend	lift	adult	65
Berkshire East	weekend	lift	teen	45
Berkshire East	weekend	lift	senior	45
Berkshire East	day	rental	adult	35
Berkshire East	night	rental	adult	25
Berkshire East	night	lift	adult	30
Berkshire East	night	lift	teen	30
Berkshire East	night	lift	senior	30
Bigrock	weekday	lift	adult	22
Bigrock	weekday	lift	teen	17
Bigrock	weekday	lift	senior	17
Bigrock	weekend	lift	adult	30
Bigrock	weekend	lift	teen	22
Bigrock	weekend	lift	senior	17
Bigrock	day	rental	adult	25
Black Mountain	weekday	lift	adult	40

Query 12. In ascending order of resort names, list the adult day and weekend lift ticket prices for all ski resorts in New England. Use the following display format. How many records were returned by this query?

Query Used: “ SELECT a.r_title As 'Resort Name', b.p_shift As 'Day', b.p_price As '\$\$\$' FROM Resort a, Price b WHERE a.R_ID = b.R_ID AND b.p_age_Group LIKE '%adult%' AND b.p_shift LIKE '%day%' OR b.p_shift LIKE '%weekend%' ORDER BY a.r_title ASC ”

Resort Name	Day	\$\$\$
-------------	-----	--------

Showing rows 0 - 24 (4351 total, Query took 0.0043 seconds.)

```

SELECT a.r_title As 'Resort Name', b.p_shift As 'Day', b.p_price As '$$$' FROM Resort a, Price b WHERE a.R_ID = b.R_ID AND b.p_age_Group LIKE '%adult%' AND b.p_shift LIKE '%day%' OR b.p_shift LIKE '%weekend%' ORDER BY a.r_title ASC
    
```

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Number of rows: 25

Filter rows:

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Resort Name	Day	\$\$\$
Arrowhead	weekend	89
Arrowhead	weekend	60
Arrowhead	weekend	62
Arrowhead	weekend	42
Arrowhead	weekend	33
Arrowhead	weekend	54
Arrowhead	weekend	59
Arrowhead	weekend	99
Arrowhead	weekend	19
Arrowhead	weekend	59
Arrowhead	weekend	69
Arrowhead	weekend	38
Arrowhead	weekend	56
Arrowhead	weekend	55
Arrowhead	weekend	66
Arrowhead	weekend	84
Arrowhead	weekend	65
Arrowhead	weekend	75
Arrowhead	weekend	77
Arrowhead	weekend	89
Arrowhead	weekend	74
Arrowhead	weekend	55
Arrowhead	weekend	45
Arrowhead	weekend	17
Arrowhead	weekend	48

Query 13. In ascending order of resort names,, list all ski resorts' weekend lift ticket prices for teenagers.

Query Used: “ SELECT a.r_title As 'Resort Name', b.p_price As '\$\$\$' FROM Resort a, Price b WHERE a.R_ID = b.R_ID AND b.p_age_Group LIKE '%teen%' AND b.p_shift LIKE '%weekend%' ORDER BY a.r_title ASC ”

Resort Name	\$\$\$
-------------	--------

✓ Showing rows 0 - 21 (22 total, Query took 0.0009 seconds.)

```
SELECT a.r_title As 'Resort Name', b.p_price As '$$$' FROM Resort a, Price b WHERE a.R_ID = b.R_ID AND b.p_age_Group LIKE '%teen%' AND b.p_shift LIKE '%weekend%' ORDER BY a.r_title ASC
```

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Resort Name	\$\$\$
Attitash	59
Berkshire East	45
Bigrock	22
Black Mountain	42
Black Mountain	42
Bolton Valley	59
Bretton Woods	68
Catamount	56
Crotched Mountain	54
Dartmouth Skiway	33
Gunstock Mountain	74
Loon Mountain	85
Mount Sunapee	57
Okemo Mountain	77
Ragged Mountain	55
Saddleback	59
Ski Butternut	50
Stratton Mountain	79
Sugarloaf	79
Sunday River	79
Wachusett Mountain	56
Wildcat Mountain	54

Query 14. Which ski resort has the most expensive lift ticket for adult any day?

Query Used: “SELECT a.r_title As 'Most Expensive Resort', b.p_price As '\$\$\$' FROM Resort a, Price b WHERE a.R_ID = b.R_ID AND b.p_age_Group LIKE '%adult%' ORDER BY b.p_price DESC LIMIT 1 ”

Most Expensive Resort	\$\$\$
-----------------------	--------

✓ Showing rows 0 - 0 (1 total, Query took 0.0008 seconds.)

```
SELECT a.r_title As 'Most Expensive Resort', b.p_price As '$$$' FROM Resort a, Price b WHERE a.R_ID = b.R_ID AND b.p_age_Group LIKE '%adult%' ORDER BY b.p_price DESC LIMIT 1
```

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Most Expensive Resort	\$\$\$
Stowe	124

Query 15. What are the average, most expensive and least expensive lift tickets in New England?

Query Used: “SELECT AVG(b.p_price) As 'Average Lift Ticket', MAX(b.p_price) As 'Most Expensive List Ticket', MIN(b.p_price) As 'Least Expensive Lift Ticket' FROM Resort a, Price b WHERE a.R_ID = b.R_ID ”

Average Lift Ticket	Most Expensive Lift Ticket	Least Expensive Lift Ticket
---------------------	----------------------------	-----------------------------

✓ Showing rows 0 - 0 (1 total, Query took 0.0012 seconds.)

```
SELECT AVG(b.p_price) As 'Average Lift Ticket', MAX(b.p_price) As 'Most Expensive List Ticket', MIN(b.p_price) As 'Least Expensive Lift Ticket' FROM Resort a, Price b WHERE a.R_ID = b.R_ID
```

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←T→	▼	Average Lift Ticket	Most Expensive List Ticket	Least Expensive Lift Ticket
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				124
				17

Query 16. What are the average, most expensive and least expensive lift tickets in Vermont?

Query Used: “ `SELECT AVG(b.p_price) As 'Average Lift Ticket',MAX(b.p_price) As 'Most Expensive List Ticket', MIN(b.p_price) As 'Least Expensive Lift Ticket' FROM Resort a, Price b WHERE a.R_ID = b.R_ID AND a.r_state LIKE '%VT%' ”`

Average Lift Ticket	Most Expensive Lift Ticket	Least Expensive Lift Ticket
---------------------	----------------------------	-----------------------------

✓ Showing rows 0 - 0 (1 total, Query took 0.0009 seconds.)

```
SELECT AVG(b.p_price) As 'Average Lift Ticket',MAX(b.p_price) As 'Most Expensive List Ticket', MIN(b.p_price) As 'Least Expensive Lift Ticket' FROM Resort a, Price b
WHERE a.R_ID = b.R_ID AND a.r_state LIKE '%VT%'
```

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Average Lift Ticket

Most Expensive List Ticket

Least Expensive Lift Ticket



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62.2727

124

23

Query 17. Display the blue trails in Stowe resort. How many records were returned by this query?

Query Used: “ SELECT a.t_name As 'Blue Trails in Stowe' FROM Trail a, Resort b WHERE a.R_ID = b.R_ID AND a.t_color LIKE '%blue%' AND b.r_title LIKE '%Stowe%' ”

64 results total

Blue Trails in Stowe

✓ Showing rows 0 - 24 (64 total, Query took 0.0007 seconds.)

```
SELECT a.t_name As 'Blue Trails in Stowe' FROM Trail a, Resort b WHERE a.R_ID = b.R_ID AND a.t_color LIKE '%blue%' AND b.r_title LIKE '%Stowe%'
```

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Blue Trails in Stowe

Christiana

Dalton

Duck Walk

Fifth Ave

Gulch

Lower Gulch

Lower North Slope

Lower Standard

North Slope

Standard

T-Line

Tyro

Upper T-Line

Glades Return

Hayride Loop

Houghton's

Lookout Loop

Lord

Lord Loop

Lower Hayride

Lower Liftline

Lower Lookout

Lower National

Lower Nosedive


Lower Ridgeview

Query 18. List the resorts and the number of lifts for each resort. The list should be in the order of the resort with most number of lifts to the resort with the least number of lifts. How many records were returned by this query?

Query Used: “ SELECT a.r_title As 'Resort Name', COUNT(b.R_ID) As 'Number of Lifts' FROM Resort a, Lift b WHERE a.R_ID = b.R_ID GROUP BY a.r_title ORDER BY COUNT(b.R_ID) DESC ”

37 Records Returned

Resort Name	Number of Lifts
-------------	-----------------

 Showing rows 0 - 24 (37 total, Query took 0.0014 seconds.)

```
SELECT a.r_title As 'Resort Name', COUNT(b.R_ID) As 'Number of Lifts' FROM Resort a, Lift b WHERE a.R_ID = b.R_ID GROUP BY a.r_title ORDER BY COUNT(b.R_ID) DESC
```

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Number of rows: 25

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Resort Name	Number of Lifts
Mount Snow	20
Okemo Mountain	20
Killington	20
Sugarbush	16
Sunday River	15
Sugarloaf	13
Loon Mountain	12
Stowe	12
Cannon Mountain	11
Waterville Valley	11
Ski Butternut	11
Mount Sunapee	10
Bretton Woods	10
Jiminy Peak	10
Attitash	10
Jay Peak	9
Bromley	9
Wachusett Mountain	8
Smugglers' Notch	8
Pico Mountain	7
Gunstock Mountain	7
Cranmore Mountain	7
Catamount	7
Burke Mountain	6
Ragged Mountain	6

Query 19. List complete information of all the resorts in Maine with lifts and trails.

Query Used: “ SELECT a.r_title As 'Resort Name', b.t_name As 'Trails', c.l_name As 'Lifts that can reach the trail' FROM Resort a, Trail b, Lift c, L_acc_T bc WHERE b.T_ID = bc.T_ID AND c.L_ID = bc.L_ID AND a.r_state LIKE '%ME%'”

Resort Name	Trails	Lifts that can reach the trail
Showing rows 0 - 24 (8217 total, Query took 0.0008 seconds.)		
<pre>SELECT a.r_title As 'Resort Name', b.t_name As 'Trails', c.l_name As 'Lifts that can reach the trail' FROM Resort a, Trail b, Lift c, L_acc_T bc WHERE b.T_ID = bc.T_ID AND c.L_ID = bc.L_ID AND a.r_state LIKE '%ME%'</pre>		
<input type="checkbox"/> Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code]		
1	>	>>
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Resort Name	Trails	Lifts that can reach the trail
Sugarloaf	Branding Ax Glade	SuperQuad
Sunday River	Branding Ax Glade	SuperQuad
Saddleback	Branding Ax Glade	SuperQuad
Black Mountain	Branding Ax Glade	SuperQuad
Shawnee Peak	Branding Ax Glade	SuperQuad
Mount Abram	Branding Ax Glade	SuperQuad
Bigrock	Branding Ax Glade	SuperQuad
Camden Snow Bowl	Branding Ax Glade	SuperQuad
Hermon Mountain	Branding Ax Glade	SuperQuad
Titcomb Mountain	Branding Ax Glade	SuperQuad
Lost Valley	Branding Ax Glade	SuperQuad
Sugarloaf	Candy Side	SuperQuad
Sunday River	Candy Side	SuperQuad
Saddleback	Candy Side	SuperQuad
Black Mountain	Candy Side	SuperQuad
Shawnee Peak	Candy Side	SuperQuad
Mount Abram	Candy Side	SuperQuad
Bigrock	Candy Side	SuperQuad
Camden Snow Bowl	Candy Side	SuperQuad
Hermon Mountain	Candy Side	SuperQuad
Titcomb Mountain	Candy Side	SuperQuad
Lost Valley	Candy Side	SuperQuad
Sugarloaf	Double Bitter	SuperQuad
Sunday River	Double Bitter	SuperQuad
Saddleback	Double Bitter	SuperQuad

Query 20. List all the resorts in New England with each resort's all the lifts and the number of trails reachable from each lift. Display the result in ascending order of alphabetical order the resorts names.

Query Used: “ SELECT a.r_title As 'Resort Name', b.l_name As 'Lift Name', COUNT(c.t_name) As 'Number of trails reachable from each lift' FROM Resort a, Lift b, Trail c, L_acc_T bc WHERE b.L_ID = bc.L_ID AND c.T_ID = bc.T_ID GROUP BY a.r_title, b.l_name ORDER BY a.r_title ASC”

Resort Name	Lift Name	Number of trails accessed by the lift
-------------	-----------	---------------------------------------

Showing rows 0 - 24 (2542 total, Query took 0.0650 seconds.)

SELECT a.r_title As 'Resort Name', b.l_name As 'Lift Name', COUNT(c.t_name) As 'Number of trails reachable from each lift' FROM Resort a, Lift b, Trail c, L_acc_T bc
WHERE b.L_ID = bc.L_ID AND c.T_ID = bc.T_ID GROUP BY a.r_title, b.l_name ORDER BY a.r_title ASC

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Resort Name	Lift Name	Number of trails reachable from each lift
Arrowhead	Bear Mountain Quad	23
Arrowhead	Canyon Quad	10
Arrowhead	EASY RIDER CARPET	1
Arrowhead	K-1 Express Gondola	15
Arrowhead	King Pine	12
Arrowhead	Madonna I Summit Lift	34
Arrowhead	Mansfield Gondola	15
Arrowhead	Meadows Quad	17
Arrowhead	Mid-Mountain Chair	7
Arrowhead	Mighty Mite Lift	1
Arrowhead	MINUTEMAN EXPRESS QUAD	6
Arrowhead	Mogul Mouse's Magic Lift	18
Arrowhead	MONADNOCK EXPRESS QUAD	2
Arrowhead	Mountain Triple	23
Arrowhead	North Ridge Triple	8
Arrowhead	OLLIE'S CARPET	1
Arrowhead	Over Easy Transfer Gondola	44
Arrowhead	POLAR CARPET	1
Arrowhead	POLAR EXPRESS QUAD	14
Arrowhead	Ramshead Express Quad	9
Arrowhead	Red Chair	43
Arrowhead	Sensation Quad	14
Arrowhead	Skyship Express Gondola Stage I	47
Arrowhead	Skyship Express Gondola Stage II	47
Arrowhead	Skyline	25

Submission Requirements:

- Submit a lab report (in .pdf format) that contains ALL your Lab 5 activities, including your answers and discussions for all the queries.
- Write a summary of what you learned in this lab.
 - I learned about the various SELECT commands. I also learned more about how to run advanced queries on a database as well as how to modify title values using the “As” command. I furthered my knowledge on combining columns of databases and how to ensure accuracy when doing so.

