Answer 5

```sql
1    SELECT CUSTOMERNUM, LASTNAME, FIRSTNAME, STATE
2    FROM CUSTOMER
3    WHERE STATE IN ('NJ','NY','PA');
```

Results   Explain   Describe   Saved SQL   History

CUSTOMERNUM	LASTNAME	FIRSTNAME	STATE
105	McLean	Kyle	NY
108	Rulf	Uschi	PA
110	Bers	Martha	NY
115	Vaccari	Adam	NJ
125	Peterson	Becca	NY

5 rows returned in 0.00 seconds   Download

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Fig. 5 Query about Customer number, last name, first name and state.

"CUSTOMERNUM","LASTNAME","FIRSTNAME","STATE"
"105","McLean","Kyle","NY"
"108","Rulf","Uschi","PA"
"110","Bers","Martha","NY"
"115","Vaccari","Adam","NJ"
"125","Peterson","Becca","NY"

Answer 6

```
1    SELECT CUSTOMERNUM, LASTNAME, FIRSTNAME, STATE
2    FROM CUSTOMER
3    WHERE STATE IN ('NJ','NY','PA')
4    ORDER BY STATE DESC, LASTNAME ASC;
```

Results   Explain   Describe   Saved SQL   History

CUSTOMERNUM	LASTNAME	FIRSTNAME	STATE
108	Rulf	Uschi	PA
110	Bers	Martha	NY
105	McLean	Kyle	NY
125	Peterson	Becca	NY
115	Vaccari	Adam	NJ

5 rows returned in 0.00 seconds   Download

Fig. 6 Query about Customer number, last name, first name and state.

"CUSTOMERNUM","LASTNAME","FIRSTNAME","STATE"
"108","Rulf","Uschi","PA"
"110","Bers","Martha","NY"
"105","McLean","Kyle","NY"
"125","Peterson","Becca","NY"
"115","Vaccari","Adam","NJ"

Answer 7

```
1    SELECT STATE, COUNT (*) AS NumberofTrips
2    FROM TRIP
3    WHERE STATE = 'MA'
4        OR STATE ='ME'
5    GROUP BY STATE;
```

Results   Explain   Describe   Saved SQL   History

STATE	NUMBEROFTRIPS
MA	4
ME	12

2 rows returned in 0.01 seconds   Download

Fig. 7 Query about ME and MA state and number of trips.

"STATE","NUMBEROFTRIPS"
"MA","4"
"ME","12"

Answer 8

```
1    SELECT STATE, COUNT (*) AS NumberofTrips
2    FROM TRIP
3    GROUP BY STATE;
```

Results   Explain   Describe   Saved SQL   History

STATE	NUMBEROFTRIPS
CT	2
MA	4
NH	19
ME	12
VT	4

5 rows returned in 0.01 seconds   Download

Fig. 8 Query about state and number of trips.

"STATE","NUMBEROFTRIPS"
"CT","2"
"MA","4"
"NH","19"
"ME","12"
"VT","4"

Answer 9

```
1    SELECT COUNT (*) AS NumberofReservations
2    FROM RESERVATION
3    WHERE TRIPPRICE > 20
4        AND TRIPPRICE < 75;
```

Results   Explain   Describe   Saved SQL   History

NUMBEROFRESERVATIONS
13

1 rows returned in 0.01 seconds   Download

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Fig. 9 Query about number of reservations.

Answer 10

```sql
1    SELECT TYPE, COUNT (*) AS NumberofTripTypes
2    FROM TRIP
3    GROUP BY TYPE
4    ;
```

Results   Explain   Describe   Saved SQL   History

TYPE	NUMBEROFTRIPTYPES
Paddling	9
Biking	8
Hiking	24

3 rows returned in 0.01 seconds   Download

Fig. 10 Query about type and number of trip types.

"TYPE","NUMBEROFTRIPTYPES"
"Paddling","9"
"Biking","8"
"Hiking","24"

Answer 11

```
1   SELECT RESERVATIONID, TRIPID, CUSTOMERNUM,
2          (TRIPPRICE + OTHERFEES * NUMPERSONS) AS TOTAL_PRICE
3   FROM RESERVATION
4   WHERE NUMPERSONS > 4;
```

Results   Explain   Describe   Saved SQL   History

RESERVATIONID	TRIPID	CUSTOMERNUM	TOTAL_PRICE
1600005	39	105	55
1600007	22	107	155
1600016	11	121	165
1600030	15	104	150

4 rows returned in 0.03 seconds   Download

Fig. 11 Query about reservation id, trip id, customer number and total price.

"RESERVATIONID","TRIPID","CUSTOMERNUM","TOTAL_PRICE"
"1600005","39","105","55"
"1600007","22","107","155"
"1600016","11","121","165"
"1600030","15","104","150"

<u>Answer 12</u>

```
1    SELECT TRIPNAME
2    FROM TRIP
3    WHERE TRIPNAME LIKE '%Pond';
```

| Results | Explain | Describe | Saved SQL | History |

| **TRIPNAME** |
| Black Pond |
| Cherry Pond |
| Long Pond |

3 rows returned in 0.00 seconds   Download

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Fig. 12 Query about trip name.

"TRIPNAME"
"Black Pond"
"Cherry Pond"
"Long Pond"

<u>Answer 13</u>

```
1    SELECT LASTNAME, FIRSTNAME
2    FROM GUIDE
3    WHERE HIREDATE < '6-10-2013' ;
```

Results   Explain   Describe   Saved SQL   History

LASTNAME	FIRSTNAME
Abrams	Miles
Boyers	Rita
Devon	Harley
Gregory	Zach
Kiley	Susan

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Fig. 13 Query about last name and first name.

"LASTNAME","FIRSTNAME"
"Abrams","Miles"
"Boyers","Rita"
"Devon","Harley"
"Gregory","Zach"
"Kiley","Susan"

Answer 14

```
1   SELECT TYPE,
2       AVG(DISTANCE) AS AverageDistance,
3       AVG(MAXGRPSIZE) AS AverageMaximumGroupSize
4   FROM TRIP
5   GROUP BY TYPE ;
```

Results   Explain   Describe   Saved SQL   History

TYPE	AVERAGEDISTANCE	AVERAGEMAXIMUMGROUPSIZE
Paddling	11.5555555555555555555555555555555556	11.3333333333333333333333333333333333333
Biking	17.125	11.75
Hiking	6.875	10

3 rows returned in 0.00 seconds   Download

Fig. 14 Query about average distance and average maximum group size.

"TYPE","AVERAGEDISTANCE","AVERAGEMAXIMUMGROUPSIZE"
"Paddling","11.5555555555555555555555555555555556","11.33333333333333333333333333333
3333333333"
"Biking","17.125","11.75"
"Hiking","6.875","10"

<u>Answer 15</u>

```
1    SELECT DISTINCT SEASON
2    FROM TRIP;
```


Fig. 15 Query about season.

"SEASON"
"Late Spring"
"Late Fall"
"Summer"
"Spring"
"Early Fall"
"Early Spring"

Answer 17

```
1    SELECT TYPE,
2        MAX(DISTANCE) AS LONGESTDISTANCE
3    FROM TRIP
4    WHERE TYPE = 'Biking'
5    GROUP BY TYPE;
```

Results	Explain	Describe	Saved SQL	History

TYPE	LONGESTDISTANCE
Biking	27

1 rows returned in 0.01 seconds   Download

Fig. 17 Query about type and longest distance.

"TYPE","LONGESTDISTANCE"
"Biking","27"

Answer 18

```
1    SELECT TRIPID,
2        COUNT (*) AS NUMBEROFRESERVATION,
3        SUM(TRIPPRICE) AS SUMTRIPPRICE
4    FROM RESERVATION
5    GROUP BY TRIPID
6    HAVING COUNT(*) > 1 ;
```

Results   Explain   Describe   Saved SQL   History

TRIPID	NUMBEROFRESERVATION	SUMTRIPPRICE
21	2	190
12	2	80
28	3	105
38	4	315

Fig. 18 Query about trip id, number of reservation and sum of trip price.

"TRIPID","NUMBEROFRESERVATION","SUMTRIPPRICE"
"21","2","190"
"12","2","80"
"28","3","105"
"38","4","315"
"39","2","75"
"32","2","170"

Answer 19

```
1    SELECT COUNT(*) AS NUMBEROFRESERVATIONS,
2      SUM(NUMPERSONS) AS TOTALNUMBEROFPERSONS
3    FROM RESERVATION;
```

Results   Explain   Describe   Saved SQL   History

| NUMBEROFRESERVATIONS	TOTALNUMBEROFPERSONS
27	77

1 rows returned in 0.00 seconds   Download

Fig. 19 Query about number of reservations and total number of persons.

"NUMBEROFRESERVATIONS","TOTALNUMBEROFPERSONS"
"27","77"