

```
/* Assignment 4 - Sophia Toliver */
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```
/* Q1. (6) How many reservations for activities does each guide have?  
List the guide ID, last name, and hire date, and the  
number of reservations labeled Reservations per Guide.  
Show only those guides with 4 or more reservations  
and display guides with the largest number of reservations first. */
```

```
SELECT G.GID, LName, HireDate, Count(RID) "Reservations per Guide"  
FROM Personnel P JOIN Guides G  
ON P.PID = G.GID  
JOIN Reservations R  
ON G.GID = R.GID  
GROUP BY G.GID, LName, HireDate  
HAVING Count(RID) > 4  
ORDER BY 4 Desc;
```

100 %

Results Messages

	GID	LName	HireDate	Reservations per Guide
1	KS02	Kelly	2013-06-10	7
2	DH01	Devon	2012-01-08	6
3	GZ01	Gregory	2012-11-04	5
4	UG01	Unser	2014-07-01	5
5	BR01	Boyers	2012-03-04	5

SQLQuery2.sql - ac...UAD\smtolive (71))* X SQLQuery1.sql - ac...UAD\smtolive (62))*

```

/* Assignment 4 - Sophia Toliver */

/* Q2. (7) List the number of times each family stayed at the resort in 2019
and the total revenue collected from each family for the rented condos.
Include the guest number, family last name and label other output as Number of
Stays and Total Collected. Show guests with the highest total collected first. */

SELECT G.Guest#, FName, Count(StartDate) "Number of Stays", SUM(WeeklyFee) "Total Collected"
FROM Guests G JOIN Families F
ON G.Guest# = F.Guest#
JOIN CondoStays CS
ON G.Guest# = CS.Guest#
JOIN Condos C
ON CS.Condo# = C.Condo#
GROUP BY G.Guest#, FName
ORDER BY SUM(WeeklyFee) DESC;

```

100 %

Results Messages

	Guest#	FName	Number of Stays	Total Collected
1	G10	Kenny	7	5135.00
2	G8	Frankie	5	4155.00
3	G8	Hailey	5	4155.00
4	G9	Harry	5	4015.00
5	G9	Randy	5	4015.00

Query executed success... | acadsql17.asurite.ad.asu.ed... | ASUAD\smtolive (71) | FA19_CIS365_80184_smtol... | 00:00:00 | 55 rows

2.

SQLQuery3.sql - ac...UAD\smtoIive (67))* X SQLQuery2.sql - ac...UAD\smtoIive (71))*

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/* Assignment 4 - Sophia Toliver */
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/* Q3. (8) List all activity types and descriptions that the guests participated
in during June. Label the output Activity Types and Popular Activities in June.
Do not include duplicate listings. Include the number of people participating in each activity
and label the output, Number of Participants. Store the result in June_Activities.
Show the output, listing the type first then the description, and finally the number
participating. Order the output by description. */

```

```
CREATE VIEW June_Activities AS
```

```
SELECT DISTINCT Type "Activity Types", Description "Popular Activities in June",
NumberInParty "Number of Participants"
FROM Reservations R JOIN Activities A
ON R.AID = A.AID
WHERE RDATE LIKE '2019-06%'
```

SELECT *

```
FROM June_Activities
ORDER BY [Popular Activites in June];
```

100 % ◀

Results Messages

 Messages

	Activity Types	Popular Activites in June	Number of Participants
1	Rafting	Rancho Del Rio	3
2	Hike	Spruce Saddle Loop	4
3	Hike	Spruce Saddle Loop	5
4	HorseBack	Triple G Ranch	5
5	Rafting	Upper Colorado River	5
6	Rafting	Upper Gore Creek	3
7	Bike	Vail Village	5
8	Bike	Welch Trail Ride	4
9	HorseBack	Westfield River Loop	4

3.

SQLQuery1.sql - ac...UAD\smtolive (62))* - X

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/* Assignment 4 - Sophia Toliver */

/* Q4. (10) Write the fully nested query to display the city and state of all guests who reserved a horseback riding
in June or July. */

SELECT Guest# "Guests Who Reserved HorseBack Riding in June or July", City "Guest City", State "Guest State"
FROM Guests
WHERE Guest# IN
(SELECT Guest#
FROM Reservations
WHERE RDate BETWEEN '2019-06-01' AND '2019-07-31'
AND AID IN
(SELECT AID
FROM Activities
WHERE Type = 'Horseback'));

```

100 %

Results Messages

	Guests Who Reserved HorseBack Riding in June or July	Guest City	Guest State
1	G1	Springfield	MA
2	G12	San Jose	CA
3	G13	Henderson	NV
4	G17	Helena	MT
5	G20	Yuma	AZ
6	G9	Portland	OR

4.

SQLQuery1.sql - ac...AD\smtolive (130))* ✕

/* Assignment 4 - Sophia Toliver */

/* Q5. (12) Unit C105 had quite a bit of damage after the last family stayed during the week of July 20, 2019. Write a fully nested query to obtain a list of the children's names alphabetically and their current ages. Label the names, Children Staying in C105 July 20th Week. */

SELECT FName "Children Staying in C105 July 20th Week",
DateDiff(year, birthdate, getdate()) "Age"
FROM Families
WHERE Guest# IN
 (SELECT Guest#
 FROM Condostays
 WHERE StartDate = '2019-07-20'
 AND Condo# IN
 (SELECT Condo#
 FROM Condos
 WHERE Bldg# = 'C'
 AND UnitNum = '105'));

100 %

Results

Messages

	Children Staying in C105 July 20th Week	Age
1	Amy	15
2	Carter	17
3	Logan	13
4	Noah	11
5	Nora	17

5.

SQLQuery7.sql - ac...UAD\smtolive (85))*
SQLQuery6.sql - ac...UAD\smtolive (73))*
SQL

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/* Assignment 4 - Sophia Toliver */

/* Q6. (7) How much money did each guest spend on activities in 2019?
Include the guest's last name and Money Spent on Activities.
Include only those guests spending at least $240.00.
Display the highest values first. */

SELECT LName, SUM(PPP*NumberInParty) "Money Spent on Activities"
FROM Personnel P JOIN Guides G
ON P.PID = G.GID
JOIN Reservations R
ON G.GID = R.GID
JOIN Activities A
ON R.AID = A.AID
GROUP BY LNAME
HAVING SUM(PPP*NumberInParty) >= 240.00
ORDER BY SUM(PPP*NumberInParty) DESC;

```

100 %

Results
Messages

	LName	Money Spent on Activities
1	Kelly	960.00
2	Boyers	575.00
3	Kingman	410.00
4	Abrams	335.00
5	Gregory	300.00
6	Rowan	290.00
7	Unser	265.00
8	Marston	255.00
9	Devon	240.00

6.

/* Assignment 4 - Sophia Toliver */

/* Q7. (13) Write a fully nested query to display those guides who lead activities that are more than 10 miles. List their first and last name and years employed by the resort. Store the result in Ten_Mile_Guides. Display the data by the employee who has been with the resort the shortest amount of time first. */

CREATE VIEW Ten_Mile_Guides AS

```
SELECT FName "First Name", LName "Last Name", DateDiff(Year, HireDate, GetDate()) "Years Employed"
FROM Personnel
WHERE PID IN
    (SELECT GID
     FROM Guides
     WHERE GID IN
         (SELECT GID
          FROM Reservations
          WHERE AID IN
              (SELECT AID
               FROM Activities
               WHERE Distance > 10))));
```

SELECT *
FROM Ten_Mile_Guides
ORDER BY [Years Employed];

100 %

Results Messages

	First Name	Last Name	Years Employed
1	Sonny	Kingman	5
2	Hal	Rowan	5
3	Gayle	Unser	5
4	Ray	Marston	6
5	Susan	Kiley	6
6	Sam	Kelly	6
7	Miles	Abrams	7
8	Rita	Boyers	7
9	Harley	Devon	7
10	Zach	Gregory	7

```

/* Assignment 4 - Sophia Toliver */

/* Q8. (11) Write a combination join and nested query to:
List all activities that any guest of A104 participated. Housekeeping found a
snake in the condo and are trying to figure out how it may have gotten there.
List the date of the activity as well. Label the activity description,
Activities for Families Staying in A104. */

SELECT A.AID, Description "Activities for Families Staying in A104", RDate "Date"
FROM Activities A JOIN Reservations R
ON A.AID = R.AID
WHERE Guest# IN
(SELECT Guest#
FROM Condostays
WHERE Condo# IN
(SELECT Condo#
FROM Condos
WHERE Bldg# = 'A'
AND UnitNum = '104'));

```

Results

Messages

	AID	Activities for Families Staying in A104	Date
1	H1	Eagle Falls	2019-05-21
2	R2	Rancho Del Rio	2019-07-25
3	H7	McLennan Reserve	2019-07-11
4	H3	Spruce Saddle Loop	2019-06-23
5	R7	Arkansas River	2019-07-05
6	B5	Eagle Valley	2019-07-12
7	HB1	4 Eagle Ranch	2019-07-21
8	H4	Nottingham Park	2019-08-07
9	HB1	4 Eagle Ranch	2019-08-22
10	B4	Vail Village	2019-08-02

9.

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SQLQuery9.sql - ac...UAD\smtolive (98))* X SQLQuery8.sql - ac...UAD\smtolive (84))* SQLQuery7.sql - ac...UAD\smtolive (85))*

/* Assignment 4 - Sophia Toliver */

/* Q9. (7) Write a transaction script to store the following data: Show each record added. */

BEGIN TRANSACTION

/* New guests, Martin & Trudy Winters from Mankato Minnesots. They can be reached at 218-555-5872. We will a
INSERT into GUESTS values ('G24', 'Winters', 'Martin', 'Mankato', 'MN', '218-555-5872', 'Trudy');
SELECT * FROM GUESTS;

/* They have 2 children; son Trevor, who was 5 on June 2, 2017 and daughter Brooke, who
turned 8 on Jan 15, 2017.*/
INSERT into FAMILIES values ('G24', 'Trevor', 'son', '05-Jun-17');
INSERT into FAMILIES values ('G24', 'Brooke', 'daughter', '15-Jan-17');
SELECT * FROM FAMILIES;

/* They will be staying at the resort the week starting, October 19th, 2019 in condo 5, A105. */
INSERT into CONDOSTAYS values ('5', 'G24', '19-Oct-19', '26-Oct-19');
INSERT into INVOICE values ('00086', '5', 'G24');
SELECT * FROM CONDOSTAYS;
SELECT * FROM INVOICE;

/* They have not yet decided if they want to participate in any activities. */

COMMIT;
```

100 %

Results Messages

Query completed with errors. | acadsq17.asurite.ad.asu.ed... | ASUAD\smtolive (98) | FA19_CIS365_80184_smtol... | 00:00:00 | 253 rows

(9 RESULTS) 1.

	Guest#	RLName	RFName	City	State	Phone	SpouseFName
12	G2	Ocean	Kyle	Athens	GA	404-555-9123	Alice
13	G20	Peterson	Brooke	Yuma	AZ	928-555-4334	Greg
14	G21	Jeffreys	Tim	Glendale	CA	909-555-1136	Suzanne
15	G22	Brown	Phil	Grand Junc...	CO	720-555-3003	Ann
16	G23	Thomas	Sue	Boise	ID	208-555-8073	Bob
17	G24	Winters	Martin	Mankato	MN	218-555-5872	Trudy
18	G3	Kastoff	Sandra	Ocean City	NJ	609-555-7677	John
19	G4	Geoff	Bess	York	NY	585-555-3333	Pete
20	G5	McLean	Adam	Rome	ME	207-555-5663	Judy
21	G6	Montana	Ben	Denver	CO	303-555-1123	Carie
22	G7	Marchand	June	Fairfield	CT	860-555-4464	Sam
23	G8	Rufalo	Sadie	Sommerville	MA	617-555-2233	Tom
24	G9	Caron	Karen	Portland	OR	541-555-3778	Brick

✓ Query executed successfully. | acadsql17.asurite.ad.asu.ed... | ASUAD\smtolive (98) |

(9 RESULTS) 2.

Results		Messages		
	Guest#	FName	Relationship	Birthdate
36	G22	Andy	son	2011-02-22
37	G23	Avery	daughter	2004-07-15
38	G23	Jake	son	2011-09-15
39	G23	Mac...	daughter	2008-08-03
40	G23	Vicky	daughter	2005-05-22
41	G24	Brooke	daughter	2017-01-15
42	G24	Trevor	son	2017-06-05
43	G3	Abby	daughter	2008-05-03
44	G4	Jarod	son	2010-11-10
45	G4	Tim	son	2010-11-10
46	G5	Casey	son	2011-12-05
47	G5	Helen	daughter	2006-06-14
48	G5	Julie	daughter	2004-07-09
49	G6	Jim	son	2005-03-17
50	G7	Brittany	daughter	2005-09-18
51	G7	Dan	son	2008-03-09
52	G7
Query executed successfully. acadsql17.asurite.ad.asu.ed... ASUAD\smtolive (98)				

(9 RESULTS) 3.

Results		Messages		
15	4	G8	2019-08-17	2019-08-24
16	5	G11	2019-06-08	2019-06-15
17	5	G11	2019-07-06	2019-07-13
18	5	G14	2019-06-22	2019-06-29
19	5	G24	2019-10-19	2019-10-26
20	6	G9	2019-06-01	2019-06-08
21	6	G9	2019-07-13	2019-07-20
22	6	G9	2019-08-03	2019-08-10
23	7	G13	2019-07-27	2019-08-03
24	7	G13	2019-08-10	2019-08-17

	INV#	Condo#	Guest#
72	00072	25	G23
73	00073	16	G17
74	00074	27	G20
75	00075	7	G13
76	00076	4	G8
77	00077	12	G4
78	00078	20	G14
79	00079	8	G10
80	00080	25	G23
81	00081	22	G20
82	00082	21	G19
83	00083	4	G8
84	00084	18	G22
85	00085	24	G10
86	00086	5	G24

Query executed successfully. | acadsql17.asurite.ad.asu.ed... | ASUAD\smtolive (98)

SQLQuery1.sql - ac...AD\smtolive (127)*

```

SELECT SUM(CondoFee + "Details Total") "Invoice Total"
FROM McLean_Details_Total, McLean_Condo_Fee;

CREATE VIEW McLean_SalesTax AS
SELECT ("Invoice Total"*.08) "Sales Tax"
FROM McLean_Invoice_Total;

CREATE VIEW McLean_TotalBilled AS
SELECT ("Invoice Total" + "Sales Tax") "Total Billed"
FROM McLean_Invoice_Total, McLean_SalesTax;

/* Below select * queries show invoice vs invoice details seperate */

SELECT *
FROM McLean, Condo_For_McLeans, McLean_Condo_Fee, McLean_Details_Total, McLean_Invoice_Total,
McLean_SalesTax, McLean_TotalBilled;

SELECT *
FROM McLean_Invoice_Details;

```

100 %

Results Messages

	RLName	Condo#	Guest#	Arrival Date	Departure Date	CondoFee	Details Total	Invoice Total	Sales Tax	Total Billed
1	McLean	10	G5	2019-08-03	2019-08-10	965.00	275.00	1240.00	99.2000	1339.20

	Inv#	RID	AID	NumberInParty	Person Price	Activity Total
1	00065	14006	HB2	5	30.00	150.00
2	00065	14042	R8	5	25.00	125.00