SQL PROJECT

QUESTION 1

```
1 •    USE Data_Analytics_BatchB;
2 •    SHOW TABLES;
3
4 •    SELECT * FROM owner;
5
6
```

Result Grid | Filter Rows: | Edit: | Export/Import:

OwnerID	OwnerName	OwnerEmail	OwnerType
1	Mary Jones	Mary.Jones@somewhere.com	Individual
2	DT Enterprises	DTE@dte.com	Corporation
3	Sam Douglas	NULL	Individual
4	UNY Enterprises	UNYE@unye.com	Corporation
5	Doug Samuels	Doug.Samuels@somewhere.com	Individual
NULL	NULL	NULL	NULL

QUESTION 2

```
3
4 •    SELECT OWNERNAME, OWNEREMAIL FROM owner;
5
6
```
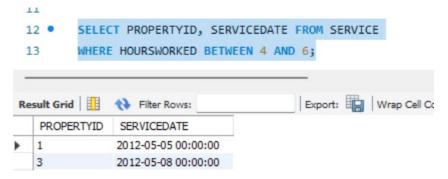
Result Grid | Filter Rows: | Export: | Wrap C

OWNERNAME	OWNEREMAIL
Mary Jones	Mary.Jones@somewhere.com
DT Enterprises	DTE@dte.com
Sam Douglas	NULL
UNY Enterprises	UNYE@unye.com
Doug Samuels	Doug.Samuels@somewhere.com

QUESTION 3

```
3
4 •    SELECT OWNERNAME, OWNEREMAIL, OWNERTYPE FROM owner
5      WHERE OWNERTYPE = "CORPORATION";
6
7
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

OWNERNAME	OWNEREMAIL	OWNERTYPE
DT Enterprises	DTE@dte.com	Corporation
UNY Enterprises	UNYE@unye.com	Corporation

QUESTION 4

```
11
12 •    SELECT PROPERTYID, SERVICEDATE FROM SERVICE
13      WHERE HOURSWORKED > 4;
```

Result Grid | Filter Rows: | Export: | Wrap Cell C

PROPERTYID	SERVICEDATE
1	2012-05-05 00:00:00
3	2012-05-08 00:00:00
5	2012-05-12 00:00:00

QUESTION 5

```
11
12 •    SELECT PROPERTYID, SERVICEDATE FROM SERVICE
13      WHERE HOURSWORKED BETWEEN 4 AND 6;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Co

PROPERTYID	SERVICEDATE
1	2012-05-05 00:00:00
3	2012-05-08 00:00:00

QUESTION 6

```
15 •    SELECT COUNT(*) AS SERVICE_COUNT FROM SERVICE
16      WHERE HOURSWORKED > 4;
```

Result Grid | Filter Rows: | Export: | Wrap Cell C

SERVICE_COUNT
3

QUESTION 7

```
17
18 •    SELECT COUNT(DISTINCT EXPERIENCELEVEL) AS COUNT_EXPERIENCE_LEVEL FROM GG_EMPLOYEE;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

COUNT_EXPERIENCE_LEVEL
3

QUESTION 8

```
20 •    SELECT * FROM GG_EMPLOYEE
21      WHERE CELLPHONE LIKE '%254%' AND EXPERIENCELEVEL = "SENIOR";
```

Result Grid | Filter Rows: | Edit: | Export/Import:

EmployeeID	LastName	FirstName	CellPhone	ExperienceLevel
2	Evanston	John	206-254-2345	Senior
5	Fontaine	Joan	206-254-4567	Senior
NULL	NULL	NULL	NULL	NULL

QUESTION 9

```
23  •    SELECT * FROM PROPERTY
24       WHERE CITY != "SEATTLE" AND CITY != "BELLEVUE";
```

Result Grid | Filter Rows: | Edit: | Export/Import: | W

PropertyID	PropertyName	Street	City	State	ZIP	OwnerID
2	Elm St Apts	4 East Elm	Lynwood	WA	98223	1
4	Lake View Apts	1265 32nd Avenue	Redmond	WA	98052	3
5	Kodak Heights Apts	65 32nd Avenue	Rochester	NY	14604	4
8	Private Residence	567 151st St	Rochester	NY	14604	5
NULL	NULL	NULL	NULL	NULL	NULL	NULL

QUESTION 10

```
26  •    SELECT * FROM PROPERTY
27       WHERE PROPERTYNAME LIKE 'P%' AND STATE != 'NY';
```

Result Grid | Filter Rows: | Edit: | Export/Import:

PropertyID	PropertyName	Street	City	State	ZIP	OwnerID
6	Private Residence	1456 48th St	Bellevue	WA	98007	1
7	Private Residence	1567 51st St	Bellevue	WA	98007	3
NULL	NULL	NULL	NULL	NULL	NULL	NULL

QUESTION 11

```
29  •    SELECT * FROM SERVICE
30       ORDER BY HOURSWORKED DESC;
```

Result Grid | Filter Rows: | Edit:

PropertyID	EmployeeID	ServiceDate	HoursWorked
5	4	2012-05-12 00:00:00	7.50
1	1	2012-05-05 00:00:00	4.50
3	3	2012-05-08 00:00:00	4.50
4	1	2012-05-19 00:00:00	3.00
2	2	2012-05-08 00:00:00	2.75
8	4	2012-05-15 00:00:00	2.75
6	5	2012-05-10 00:00:00	2.50
7	2	2012-05-19 00:00:00	2.50
NULL	NULL	NULL	NULL

QUESTION 12

```
32 •    SELECT * FROM SERVICE
33      WHERE HOURSWORKED > 3
34      ORDER BY SERVICEDATE ASC;
```

PropertyID	EmployeeID	ServiceDate	HoursWorked
1	1	2012-05-05 00:00:00	4.50
3	3	2012-05-08 00:00:00	4.50
5	4	2012-05-12 00:00:00	7.50
NULL	NULL	NULL	NULL

QUESTION 13

```
36 •    SELECT * FROM OWNER
37      WHERE OWNEREMAIL IS NULL;
```

OwnerID	OwnerName	OwnerEmail	OwnerType
3	Sam Douglas	NULL	Individual
NULL	NULL	NULL	NULL

QUESTION 14

```
39 •    SELECT COUNT(*) AS OWNERS_WITH_EMAIL FROM OWNER
40      WHERE OWNEREMAIL IS NOT NULL;
```

OWNERS_WITH_EMAIL
4

QUESTION 15

```
42 •    SELECT SUM(HOURSWORKED) AS TOTAL_HRS FROM SERVICE;
```

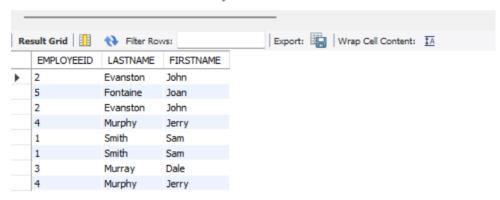| TOTAL_HRS |
|---|
| 30.00 |

QUESTION 16

```
44 •   SELECT E.EMPLOYEEID, E.LASTNAME, E.FIRSTNAME, SUM(S.HOURSWORKED) AS TOTAL_HOURS
45     FROM GG_EMPLOYEE E
46     INNER JOIN SERVICE S
47     ON E.EMPLOYEEID = S.EMPLOYEEID GROUP BY E.EMPLOYEEID, E.LASTNAME, E.FIRSTNAME
48     HAVING SUM(S.HOURSWORKED) > 7;
49
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ᴵA

EMPLOYEEID	LASTNAME	FIRSTNAME	TOTAL_HOURS
1	Smith	Sam	7.50
4	Murphy	Jerry	10.25

QUESTION 17

```
50 •   SELECT E.EMPLOYEEID, E.LASTNAME, E.FIRSTNAME FROM GG_EMPLOYEE E
51     INNER JOIN SERVICE S ON E.EMPLOYEEID = S.EMPLOYEEID
52     INNER JOIN PROPERTY P ON S.PROPERTYID = P.PROPERTYID
53     INNER JOIN OWNER O ON P.OWNERID = O.OWNERID
54     WHERE OWNERTYPE = 'CORPORATION';
55
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ᴵA

EMPLOYEEID	LASTNAME	FIRSTNAME
1	Smith	Sam
3	Murray	Dale
4	Murphy	Jerry

QUESTION 18

```
56 •   SELECT E.EMPLOYEEID, E.LASTNAME, E.FIRSTNAME FROM GG_EMPLOYEE E
57     INNER JOIN SERVICE S ON E.EMPLOYEEID = S.EMPLOYEEID
58     INNER JOIN PROPERTY P ON S.PROPERTYID = P.PROPERTYID
59     WHERE STATE = 'NY';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ᴵA

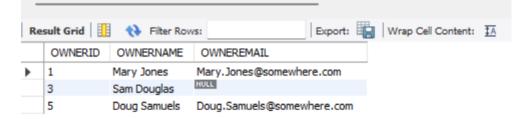| EMPLOYEEID	LASTNAME	FIRSTNAME
4	Murphy	Jerry
4	Murphy	Jerry

QUESTION 19

```
61 •   SELECT E.EMPLOYEEID, E.LASTNAME, E.FIRSTNAME FROM GG_EMPLOYEE E
62     INNER JOIN SERVICE S ON E.EMPLOYEEID = S.EMPLOYEEID
63     ORDER BY HOURSWORKED ASC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

EMPLOYEEID	LASTNAME	FIRSTNAME
2	Evanston	John
5	Fontaine	Joan
2	Evanston	John
4	Murphy	Jerry
1	Smith	Sam
1	Smith	Sam
3	Murray	Dale
4	Murphy	Jerry

QUESTION 20

```
65 •   SELECT O.OWNERID, O.OWNERNAME, O.OWNEREMAIL FROM OWNER O
66     INNER JOIN PROPERTY P ON O.OWNERID = P.OWNERID
67     WHERE PROPERTYNAME = 'PRIVATE RESIDENCE';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

OWNERID	OWNERNAME	OWNEREMAIL
1	Mary Jones	Mary.Jones@somewhere.com
3	Sam Douglas	NULL
5	Doug Samuels	Doug.Samuels@somewhere.com

QUESTION 21

```
69 •   SELECT COUNT(*) AS NO_OF_SERVICES FROM SERVICE S
70     INNER JOIN PROPERTY P ON S.PROPERTYID = P.PROPERTYID
71     INNER JOIN OWNER O ON P.OWNERID = O.OWNERID
72     WHERE OWNERTYPE = 'CORPORATION';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

NO_OF_SERVICES
3

QUESTION 22

```
73
74 •    SELECT SUM(HOURSWORKED) AS TOTAL_SERVICE_HRS FROM SERVICE S
75        INNER JOIN PROPERTY P ON S.PROPERTYID = P.PROPERTYID
76        INNER JOIN OWNER O ON P.OWNERID = O.OWNERID
77        WHERE OWNERTYPE = 'CORPORATION';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 𝐈𝐀

	TOTAL_SERVICE_HRS
▶	16.50

QUESTION 23

```
79 •    SELECT E.EMPLOYEEID, E.LASTNAME, E.FIRSTNAME FROM GG_EMPLOYEE E
80        INNER JOIN SERVICE S ON E.EMPLOYEEID = S.EMPLOYEEID
81        GROUP BY E.EMPLOYEEID, E.LASTNAME, E.FIRSTNAME
82        ORDER BY SUM(HOURSWORKED) DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 𝐈𝐀

	EMPLOYEEID	LASTNAME	FIRSTNAME
▶	4	Murphy	Jerry
	1	Smith	Sam
	2	Evanston	John
	3	Murray	Dale
	5	Fontaine	Joan