

Assignment - SQL [Major].pdf

Oracle Live SQL - SQL Worksheet

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 Live SQL

Feedback

Help

harkesh88choudhery@outlook.com

SQL Worksheet

Clear

Find

Actions

Save

Run

1 Create table station

2 (

3 Id int primary key,

4 City Char(20),

5 State char(2),

6 LAT_N Number,

7 Long_W number);


Table created.


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Run

1

2

3

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8

INSERT INTO STATION VALUES (13, 'Phoenix', 'AZ', 33, 112);

INSERT INTO STATION VALUES (44, 'Denver', 'CO', 40, 105);

INSERT INTO STATION VALUES (66, 'Caribou', 'ME', 47, 68);

1 row(s) inserted.

1 row(s) inserted.


1 row(s) inserted.

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```
1 Select * from station
2
3
4
5
```

ID	CITY	STATE	LAT_N	LONG_W
13	Phoenix	AZ	33	112
44	Denver	CO	40	105
66	Caribou	ME	47	68

Download CSV
3 rows selected.

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SQL Worksheet

Clear

Find

Actions

Save

Run

1 SELECT ID, CITY, STATE FROM STATION

2 WHERE LAT_N > 39.7;

3 ID CITY STATE

4 44 Denver CO

5 66 Caribou ME

6

ID	CITY	STATE
44	Denver	CO
66	Caribou	ME

Download CSV

2 rows selected.

Invalid statement

Invalid statement

Invalid statement

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SQL Worksheet

Clear Find Actions Save Run

```
1 CREATE TABLE STATS
2 (ID INTEGER REFERENCES STATION(ID),
3  MONTH INTEGER CHECK (MONTH BETWEEN 1 AND 12),
4  TEMP_F REAL CHECK (TEMP_F BETWEEN -80 AND 150),
5  RAIN_I REAL CHECK (RAIN_I BETWEEN 0 AND 100),
6  PRIMARY KEY (ID, MONTH));
7
8
9
10
```

Table created.

SQL Worksheet

Clear Find Actions Save Run

```
1 INSERT INTO STATS VALUES (13, 1, 57.4, 0.31);
2 INSERT INTO STATS VALUES (13, 7, 91.7, 5.15);
3 INSERT INTO STATS VALUES (44, 1, 27.3, 0.18);
4 INSERT INTO STATS VALUES (44, 7, 74.8, 2.11);
5 INSERT INTO STATS VALUES (66, 1, 6.7, 2.10);
6 INSERT INTO STATS VALUES (66, 7, 65.8, 4.52);
7
8
9
10
```

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT * FROM STATS;  
2 ID MONTH TEMP_F RAIN_I  
3 13 1 57.4 .31  
4 13 7 91.7 5.15  
5 44 1 27.3 .18  
6 44 7 74.8 2.11  
7 66 1 6.7 2.1  
8 66 7 65.8 4.52  
9  
10
```

ID	MONTH	TEMP_F	RAIN_I
13	1	57.4	.31
13	7	91.7	5.15
44	1	27.3	.18
44	7	74.8	2.11
66	1	6.7	2.1
66	7	65.8	4.52

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SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT * FROM STATS;  
2 ID MONTH TEMP_F RAIN_I  
3 13 1 57.4 .31  
4 13 7 91.7 5.15  
5 44 1 27.3 .18  
6 44 7 74.8 2.11  
7 66 1 6.7 2.1  
8 66 7 65.8 4.52  
9  
10
```

ID	MONTH	TEMP_F	RAIN_I
13	1	57.4	.31
13	7	91.7	5.15
44	1	27.3	.18
44	7	74.8	2.11
66	1	6.7	2.1
66	7	65.8	4.52

Download CSV
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SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT * FROM STATION, STATS
2 WHERE STATION.ID = STATS.ID;
3 ID CITY ST LAT_N LONG_W ID MONTH TEMP_F RAIN_I
4 13 Phoenix AZ 33 112 13 1 57.4 .31
5 13 Phoenix AZ 33 112 13 7 91.7 5.15
6 44 Denver CO 40 105 44 1 27.3 .18
7 44 Denver CO 40 105 44 7 74.8 2.11
8 66 Caribou ME 47 68 66 1 6.7 2.1
9 66 Caribou ME 47 68 66 7 65.8 4.52
10
```

ID	CITY	STATE	LAT_N	LONG_W	ID	MONTH	TEMP_F	RAIN_I
13	Phoenix	AZ	33	112	13	1	57.4	.31
13	Phoenix	AZ	33	112	13	7	91.7	5.15
44	Denver	CO	40	105	44	1	27.3	.18
44	Denver	CO	40	105	44	7	74.8	2.11
66	Caribou	ME	47	68	66	1	6.7	2.1
66	Caribou	ME	47	68	66	7	65.8	4.52

Download CSV
6 rows selected.

Invalid statement

Invalid statement

SQL Worksheet Clear Find Actions Save Run

```
1 SELECT MONTH, ID, RAIN_I, TEMP_F
2 FROM STATS
3 ORDER BY MONTH, RAIN_I DESC;
4 MONTH ID RAIN_I TEMP_F
5 1 66 2.1 6.7
6 1 13 .31 57.4
7 1 44 .18 27.3
8 7 13 5.15 91.7
9 7 66 4.52 65.8
10 7 44 2.11 74.8
11
12
13
```

MONTH	ID	RAIN_I	TEMP_F
1	66	2.1	6.7
1	13	.31	57.4
1	44	.18	27.3
7	13	5.15	91.7
7	66	4.52	65.8
7	44	2.11	74.8

Download CSV
6 rows selected.
Invalid statement

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT LAT_N, CITY, TEMP_F
2 FROM STATS, STATION
3 WHERE MONTH = 7
4 AND STATS.ID = STATION.ID
5 ORDER BY TEMP_F;
6 LAT_N CITY TEMP_F
7 47 Caribou 65.8
8 40 Denver 74.8
9 33 Phoenix 91.7
10
11
12
```

LAT_N	CITY	TEMP_F
47	Caribou	65.8
40	Denver	74.8
33	Phoenix	91.7

Download CSV
3 rows selected.

Invalid statement
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```
1 SELECT MAX(TEMP_F), MIN(TEMP_F), AVG(RAIN_I), ID
2 FROM STATS
3 GROUP BY ID;
4 MAX(TEMP_F) MIN(TEMP_F) AVG(RAIN_I) ID
5 91.7 57.4 2.73 13
6 74.8 27.3 1.145 44
7 65.8 6.7 3.31 66
8
9
10
```

MAX(TEMP_F)	MIN(TEMP_F)	AVG(RAIN_I)	ID
74.8	27.3	1.145	44
65.8	6.7	3.31	66
91.7	57.4	2.73	13

Download CSV
3 rows selected.

Invalid statement


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Invalid statement


```
1 CREATE VIEW METRIC_STATS (ID, MONTH, TEMP_C, RAIN_C) AS
2 SELECT ID,
3 MONTH,
4 (TEMP_F - 32) * 5 / 9,
5 RAIN_I * 0.3937
6 FROM STATS;
7
8
9
```

View created.

SQL Worksheet

 Clear Find

Actions

 SaveRun 

```
1 SELECT * FROM METRIC_STATS;
2 ID MONTH TEMP_C RAIN_C
3 13 1 14.1111111 .122047
4 13 7 33.1666667 2.027555
5 44 1 -2.6111111 .070866
6 44 7 23.7777778 .830707
7 66 1 -14.0555556 .82677
8 66 7 18.7777778 1.779524
9
10
11
```

[illegible]

Download CSV
6 rows selected.

Invalid statement

```
1 SELECT * FROM STATS;
2 ID MONTH TEMP_F RAIN_I
3 13 1 57.4 .32
4 13 7 91.7 5.16
5 44 1 27.3 .19
6 44 7 74.8 2.12
7 66 1 6.7 2.11
8 66 7 65.8 4.53
9
10
11
```

ID	MONTH	TEMP_F	RAIN_I
13	1	57.4	.31
13	7	91.7	5.15
44	1	27.3	.18
44	7	74.8	2.11
66	1	6.7	2.1
66	7	65.8	4.52

Download CSV
6 rows selected.

Invalid statement

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT * FROM STATS;  
2 ID MONTH TEMP_F RAIN_I  
3 13 1 57.4 .32  
4 13 7 91.7 5.16  
5 44 1 27.3 .19  
6 44 7 74.8 2.12  
7 66 1 6.7 2.11  
8 66 7 65.8 4.53  
9  
10  
11
```

ID	MONTH	TEMP_F	RAIN_I
13	1	57.4	.31
13	7	91.7	5.15
44	1	27.3	.18
44	7	74.8	2.11
66	1	6.7	2.1
66	7	65.8	4.52

Download CSV
6 rows selected.

Invalid statement

```
1 UPDATE STATS SET TEMP_F = 74.9
2 WHERE ID = 44
3 AND MONTH = 7;
4
5
6
```

1 row(s) updated.

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT * FROM STATS;
2 ID MONTH TEMP_F RAIN_I
3 13 1 57.4 .32
4 13 7 91.7 5.16
5 44 1 27.3 .19
6 44 7 74.9 2.12
7 66 1 6.7 2.11
8 66 7 65.8 4.53
9
10
11
```

ID	MONTH	TEMP_F	RAIN_I
13	1	57.4	.31
13	7	91.7	5.15
44	1	27.3	.18
44	7	74.9	2.11
66	1	6.7	2.1
66	7	65.8	4.52

Download CSV
6 rows selected.

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