

Assignment-5

BUAN 6320: Database Foundations for Business Analytics

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#SOLUTION 1

The screenshot displays the SQL Server Enterprise Manager interface. The left pane shows the 'Schemas' folder expanded, with 'assignment_5' selected. The central pane shows a SQL query in the 'SQL File 4*' editor:

```
10 (1, 2, '2016-03-01', 5),
11 (1, 2, '2016-05-02', 6),
12 (2, 3, '2017-06-25', 1),
13 (3, 1, '2016-03-02', 0),
14 (3, 4, '2018-07-03', 5);
15
16 SELECT player_id, MIN(event_date) AS first_login
17 FROM activity
18 GROUP BY player_id;
```

The right pane shows the 'Result Grid' with the following data:

player_id	first_login
1	2016-03-01
2	2017-06-25
3	2016-03-02

The bottom pane shows the 'Output' window with the following messages:

#	Time	Action	Message	Duration / Fetch
4	10:09:38	CREATE TABLE Activity (player_id INT, device_id INT, event_date DATE, games_pla...	0 row(s) affected	0.047 sec
5	10:09:51	INSERT INTO Activity (player_id, device_id, event_date, games_played) VALUES (1, 2, 2...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.031 sec
6	10:10:19	SELECT player_id, MIN(event_date) AS first_login FROM activity GROUP BY player_id	3 row(s) returned	0.016 sec / 0.000 sec

SOLUTION 2

Navigator: SCHEMAS
Filter objects
assignment_5
Tables
Views
Stored Procedures
Functions

Administration Schemas
Information

Schema: assignment_5

SQL File 4*
Don't Limit

```

34 (2, 3, '2017-06-25', 1),
35 (3, 1, '2016-03-02', 0),
36 (3, 4, '2018-07-03', 5);
37
38 SELECT player_id, device_id
39 FROM activity WHERE (player_id, event_date) IN (
40 SELECT player_id, MIN(event_date)
41 FROM activity
42 GROUP BY player_id );

```

Result Grid

player_id	device_id
1	2
2	3
3	1

activity 2 x

Output

#	Time	Action	Message	Duration / Fetch
9	10:13:21	INSERT INTO Activity (player_id, device_id, event_date, games_played) VALUES (1, 2, '2017-06-25', 1)	Error Code: 1062. Duplicate entry '1-2016-03-01' for key 'activity.PRIMARY'	0.000 sec
10	10:13:33	INSERT INTO Activity2 (player_id, device_id, event_date, games_played) VALUES (1, 2, '2017-06-25', 1)	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.015 sec
11	10:13:48	SELECT player_id, device_id FROM activity WHERE (player_id, event_date) IN (SELECT ...	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

SQLAdditions
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

SOLUTION 3

Navigator: SCHEMAS
Filter objects
assignment_5
Tables
Views
Stored Procedures
Functions

Administration Schemas
Information

Schema: assignment_5

SQL File 4*
Don't Limit

```

54 (2, 8),
55 (3, 8),
56 (4, 7),
57 (5, 9),
58 (6, 9);
59
60 Select e.employee_id,
61 (select count(team_id) from Employee where e.team_id = team_id) as team_size
62 from Employee e;

```

Result Grid

employee_id	team_size
1	3
2	3
3	3
4	1
5	2
6	2

Result 3 x

Output

#	Time	Action	Message	Duration / Fetch
12	10:15:32	CREATE TABLE Employee (employee_id INT, team_id INT, PRIMARY KEY (employee_id, team_id))	0 row(s) affected	0.046 sec
13	10:15:47	INSERT INTO Employee (employee_id, team_id) VALUES (1, 8), (2, 8), (3, 8), (4, 7), (5, 9), (6, 9)	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.015 sec
14	10:16:17	Select e.employee_id, (select count(team_id) from Employee where e.team_id = team_id) as team_size from Employee e;	6 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

SQLAdditions
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

SOLUTION 4

Navigation

SCHEMAS

Filter objects

assignment_5

Tables

Views

Stored Procedures

Functions

Administration

Schemas

Information

Schema: assignment_5

SQL File 4*

Don't Limit

```
74 (1, 'john@example.com'),
75 (2, 'bob@example.com'),
76 (3, 'john@example.com');
77
78 DELETE FROM Person WHERE id NOT IN
79 (SELECT * FROM(
80 SELECT MIN(id) FROM Person GROUP BY Email) as p);
81
82 SELECT * FROM person;
```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

Filter Rows:

id email

1 john@example.com

2 bob@example.com

NOTE

person 4

Apply

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
20	10:19:21	DELETE FROM Person WHERE id NOT IN (SELECT * FROM(SELECT MIN(id) FROM Pers...	Error Code: 1175. You are using safe update mode and you tried to update a table without a ...	0.016 sec
21	10:20:42	DELETE FROM Person WHERE id NOT IN (SELECT * FROM(SELECT MIN(id) FROM Pers...	1 row(s) affected	0.016 sec
22	10:21:10	SELECT * FROM person	2 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed