

Queries

1.

```
select count(c collision_id) as No_of_Accidents, year(c collision_dt) as Year from
nyc_mvc_dimension_model.fct_collision_crashes c inner join
nyc_mvc_dimension_model.fct_collisions_vehicles cv on cv.COLLISION_ID = c.collision_id
inner join nyc_mvc_dimension_model.dim_vehicle_type vt on cv.VEHICLE_TYPE_SK =
vt.VEHICLE_TYPE_SK
group by year(c collision_dt);
```

The screenshot shows a SQL query execution interface. The query is as follows:

```
1 select count(c collision_id) as No_of_Accidents, year(c collision_dt) as Year from nyc_mvc_dimension_model.fct_collision_crashes c
2 nyc_mvc_dimension_model.fct_collisions_vehicles cv on cv.COLLISION_ID = c.collision_id
3 inner join nyc_mvc_dimension_model.dim_vehicle_type vt on cv.VEHICLE_TYPE_SK = vt.VEHICLE_TYPE_SK
4 group by year(c collision_dt);
```

The results are displayed in a table with the following columns: No_of_Accidents, Year. The data is as follows:

No_of_Accidents	Year
46080	2016
36448	2017
41005	2018
39783	2019
17192	2020
14189	2021
10	2014
39	2015
7	2013
4	2012

The interface also shows the Action Output section with the following details:

	Time	Action	Response	Duration / Fetch Time
1	23:15:14	select count(c collision_id) as No_of_Accidents, year(c collision_dt) as Year from nyc_mvc_dimension_model.fct_collision_crashes c inner join nyc_mvc_dimension_model.fct_collisions_vehicles cv on cv.COLLISION_ID = c.collision_id inner join nyc_mvc_dimension_model.dim_vehicle_type vt on cv.VEHICLE_TYPE_SK = vt.VEHICLE_TYPE_SK group by year(c collision_dt);	10 row(s) returned	6.986 sec / 0.0010 sec

Query Completed

2.

select a.borough,count(c collision_id) as No_of_Accidents from
nyc_mvc_dimension_model.dim_arrest_borough a inner join
nyc_mvc_dimension_model.fct_collision_crashes c
on a.borough_sk = c.borough_sk group by borough;

The screenshot shows a MySQL IDE interface with a query editor, a schema browser, and a results grid. The query editor contains the following SQL code:

```
1 select count(c collision_id) as No_of_Accidents, year(c collision_dt) as Year from nyc_mvc_dimension_model.fct_collision_crashes c
2 nyc_mvc_dimension_model.fct_collisions_vehicles cv on cv COLLISION_ID = c collision_id
3 inner join nyc_mvc_dimension_model.dim_vehicle_type vt on cv.VEHICLE_TYPE_SK = vt.VEHICLE_TYPE_SK
4 group by year(c collision_dt);
5
6 select a.borough,count(c collision_id) as No_of_Accidents from nyc_mvc_dimension_model.dim_arrest_borough a inner join nyc_mvc_dim
7 on a.borough_sk = c.borough_sk group by borough;
```

The results grid displays the following data:

borough	No_of_Accidents
MANHATTAN	234576
BROOKLYN	278729
BROOKLYN	153459
STATEN ISLAND	39133
QUEENS	183022

The Action Output section shows the following log entries:

Time	Action	Response	Duration / Fetch Time
22:15:14	select count(c collision_id) as No_of_Accidents, year(c collision_dt) as Year from nyc_mvc_dimension_model.fct_collision_crashes c	10 row(s) returned	6.988 sec / 0.0010 sec
22:15:44	select a.borough,count(c collision_id) as No_of_Accidents from nyc_mvc_dimension_model.dim_arrest_borough a inner join nyc_mvc_dim	Error Code: 1054. Unknown column 'c collision_id' in 'field list'	0.0083 sec
22:16:16	select a.borough,count(c collision_id) as No_of_Accidents from nyc_mvc_dimension_model.dim_arrest_borough a inner join nyc_mvc_dim	Error Code: 2013. Lost connection to MySQL server during query	30.014 sec
22:17:33	select a.borough,count(c collision_id) as No_of_Accidents from nyc_mvc_dimension_model.dim_arrest_borough a inner join nyc_mvc_dim	6 row(s) returned	28.212 sec / 0.00017...

Query Completed

3.

```
select count(c.collsion_id) as Car_Accidents, dpi.PERSON_INJURY
from nyc_mvc_dimension_model.fct_collision_crashes c
inner join nyc_mvc_dimension_model.fct_collision_persons p on
p.COLLISION_ID=c.collsion_id
inner join nyc_mvc_dimension_model.Dim_PERSON_INJURY dpi on dpi.PERSON_INJURY_SK =
p.PERSON_INJURY_SK
group by dpi.PERSON_INJURY
limit 1;
```

The screenshot shows a MySQL IDE interface with a query editor and a results grid. The query editor contains the following SQL code:

```
1 select count(c.collsion_id) as No_of_Accidents, year(c.collsion_dt) as Year from nyc_mvc_dimension_model.fct_collision_crashes c
2 nyc_mvc_dimension_model.fct_collisions_vehicles cv on cv.COLLISION_ID = c.collsion_id
3 inner join nyc_mvc_dimension_model.dim_vehicle_type vt on cv.VEHICLE_TYPE_SK = vt.VEHICLE_TYPE_SK
4 group by year(c.collsion_dt);
5
6 select a.borough,count(c.collsion_id) as No_of_Accidents from nyc_mvc_dimension_model.dim_arrest_borough a inner join nyc_mvc_dim
7 on a.borough_sk = c.borough_sk group by borough;
8
9 select count(c.collsion_id) as Car_Accidents, dpi.PERSON_INJURY
10 from nyc_mvc_dimension_model.fct_collision_crashes c
11 inner join nyc_mvc_dimension_model.fct_collision_persons p on p.COLLISION_ID=c.collsion_id
12 inner join nyc_mvc_dimension_model.dim_PERSON_INJURY dpi on dpi.PERSON_INJURY_SK = p.PERSON_INJURY_SK
13 group by dpi.PERSON_INJURY
```

The results grid shows the following data:

Car_Accidents	PERSON_INJURY
237282	Injured

The Action Output section shows the following log:

Time	Action	Response	Duration / Fetch Time
23:15:14	select count(c.collsion_id) as No_of_Accidents, year(c.collsion_dt) as Year from nyc_mvc_dim...	10 row(s) returned	6.986 sec / 0.0010 sec
23:15:44	select a.borough,count(c.collsion_id) as No_of_Accidents from nyc_mvc_dimension_model.dim...	Error Code: 1054. Unknown column 'c.collsion_id' in '...	0.0083 sec
23:16:16	select a.borough,count(c.collsion_id) as No_of_Accidents from nyc_mvc_dimension_model.dim...	Error Code: 2013. Lost connection to MySQL server d...	30.014 sec
23:17:33	select a.borough,count(c.collsion_id) as No_of_Accidents from nyc_mvc_dimension_model.dim...	5 row(s) returned	28.212 sec / 0.00017...
23:19:33	select count(c.collsion_id) as Car_Accidents from nyc_mvc_dimension_model.fct_collision_cras...	Error Code: 2013. Lost connection to MySQL server d...	30.013 sec
23:21:07	select count(c.collsion_id) as Car_Accidents from nyc_mvc_dimension_model.fct_collision_cras...	3 row(s) returned	18.628 sec / 0.00005...
23:21:46	select count(c.collsion_id) as Car_Accidents, dpi.PERSON_INJURY from nyc_mvc_dimension_m...	3 row(s) returned	22.098 sec / 0.00003...
23:22:27	select count(c.collsion_id) as Car_Accidents, dpi.PERSON_INJURY from nyc_mvc_dimension_m...	1 row(s) returned	16.758 sec / 0.00014...

Query Completed

4.

```
select count(c collision_id) as No_of_Accidents, year(c collision_dt) as Year from
nyc_mvc_dimension_model.fct_collision_crashes c inner join
nyc_mvc_dimension_model.fct_collisions_vehicles cv on cv.COLLISION_ID = c.collision_id
inner join nyc_mvc_dimension_model.dim_vehicle_type vt on cv.VEHICLE_TYPE_SK =
vt.VEHICLE_TYPE_SK
group by year(c collision_dt);
```

The screenshot shows a MySQL IDE interface with a dark theme. The top bar indicates the database is 'MySQLAzure' and the schema is 'dummy'. The left sidebar shows a list of schemas, including 'adv_scd', 'chicagofoodspection', 'damp7370', 'datadimension', 'food_inspections_universal', 'iowa', 'iowaliquorsales_dim', 'nyc_mvc_dimension_model', 'nyc_mvc_stage', 'sakila', 'sys', 'workshopadv', and 'world'. The main area displays a SQL query with line numbers 1 through 12. The query is a SELECT statement with a COUNT and YEAR function, joined tables, and a GROUP BY clause. Below the query, the 'Result Grid' shows the output of the query, with columns 'No_of_Accidents' and 'Year'. The results are as follows:

No_of_Accidents	Year
48080	2016
36448	2017
41005	2018
38783	2019
17192	2020
14189	2021
10	2014
39	2015
7	2013
4	2012

Below the result grid, the 'Action Output' section shows a list of actions and their responses. The actions include SELECT statements and their corresponding responses, such as '1 row(s) returned' or '1000 row(s) returned'. The 'Duration / Fetch Time' column shows the execution time for each action.

5.

```
select count(c.collusion_id) as No_of_Accidents, c.collusion_time as TimeofAccident from
nyc_mvc_dimension_model.fct_collision_crashes c inner join
nyc_mvc_dimension_model.fct_collisions_vehicles cv on cv.COLLISION_ID = c.collusion_id
inner join nyc_mvc_dimension_model.dim_vehicle_type vt on cv.VEHICLE_TYPE_SK =
vt.VEHICLE_TYPE_SK
group by c.collusion_time
order by count(c.collusion_id) desc;
```

The screenshot displays a MySQL IDE interface. On the left, a 'SCHEMAS' panel lists various databases including 'adv_scd', 'chicagofoodspection', 'damp7370', 'datadimension', 'food_inspections_universal', 'iowa', 'iowaliquorsales_dim', 'nyc_mvc_dimension_model', 'nyc_mvc_stage', 'sakila', 'sys', 'workshopadv', and 'world'. The main query editor shows a SQL query that counts accidents by time, joined with vehicle types. The query is executed, and the 'Result Grid' shows the following data:

No_of_Accidents	TimeofAccident
2949	00:00:00
2909	17:00:00
2906	16:00:00
2744	15:00:00
2732	14:00:00
2624	18:00:00
2438	13:00:00
2091	12:00:00
2072	19:00:00
2063	16:30:00
2043	14:30:00
1998	08:00:00
1965	17:30:00
1913	09:00:00
1801	11:00:00

The 'Action Output' panel at the bottom shows the execution progress of the query, including the time taken and the number of rows returned.

Time	Action	Response	Duration / Fetch Time
23:16:16	select a.borough,count(c.collusion_id) as No_of_Accidents from nyc_mvc_dimension_model.dim...	Error Code: 2013. Lost connection to MySQL server d...	30.014 sec
23:17:33	select a.borough,count(c.collusion_id) as No_of_Accidents from nyc_mvc_dimension_model.dim...	5 row(s) returned	28.212 sec / 0.00017...
23:19:33	select count(c.collusion_id) as Car_Accidents from nyc_mvc_dimension_model.fct_collision_cra...	Error Code: 2013. Lost connection to MySQL server d...	30.013 sec
23:21:07	select count(c.collusion_id) as Car_Accidents, dpl.PERSON_INJURY from nyc_mvc_dimension_m...	3 row(s) returned	18.628 sec / 0.00005...
23:21:46	select count(c.collusion_id) as Car_Accidents, dpl.PERSON_INJURY from nyc_mvc_dimension_m...	3 row(s) returned	22.098 sec / 0.00003...
23:22:27	select count(c.collusion_id) as Car_Accidents, dpl.PERSON_INJURY from nyc_mvc_dimension_m...	1 row(s) returned	16.758 sec / 0.00014...
23:23:37	select dpl.PERSON_TYPE,count(c.collusion_id) as BicycleAccidents from nyc_mvc_dimension_m...	4 row(s) returned	22.119 sec / 0.00007...
23:26:56	select count(c.collusion_id) as No_of_Accidents, c.collusion_time as TimeofAccident from nyc_m...	1000 row(s) returned	7.821 sec / 0.0014 sec

6.

```
select dpt.PERSON_TYPE,count(c collision_id) as BicycleAccidents
from nyc_mvc_dimension_model.fct_collision_crashes c
inner join nyc_mvc_dimension_model.fct_collision_persons p on
p.COLLISION_ID=c collision_id
inner join nyc_mvc_dimension_model.Dim_PersonType dpt on dpt.PERSON_TYPE_SK =
p.PERSON_TYPE_SK
GROUP BY dpt.PERSON_TYPE
```

The screenshot shows a MySQL client interface with a query editor and a results grid. The query editor contains the following SQL code:

```
select count(c collision_id) as Car_Accidents, dpt.PERSON_INJURY
from nyc_mvc_dimension_model.fct_collision_crashes c
inner join nyc_mvc_dimension_model.fct_collision_persons p on p.COLLISION_ID=c collision_id
inner join nyc_mvc_dimension_model.Dim_PersonType dpt on dpt.PERSON_INJURY_SK = p.PERSON_INJURY_SK
group by dpt.PERSON_INJURY
limit 1;
```

The results grid shows the following data:

PERSON_TYPE	BicycleAccidents
Bicyclist	27272
Pedestrian	58590
Occupant	1431353
Other Motorized	1996

The Action Output section shows the following log entries:

Time	Action	Response	Duration / Fetch Time
23:15:44	select a.borough,count(c collision_id) as No_of_Accidents from nyc_mvc_dimension_model.dim...	Error Code: 1054. Unknown column 'c collision_id' in '...	0.0083 sec
23:16:16	select a.borough,count(c collision_id) as No_of_Accidents from nyc_mvc_dimension_model.dim...	Error Code: 2013. Lost connection to MySQL server d...	30.014 sec
23:17:33	select a.borough,count(c collision_id) as No_of_Accidents from nyc_mvc_dimension_model.dim...	5 row(s) returned	28.212 sec / 0.00017...
23:19:33	select count(c collision_id) as Car_Accidents from nyc_mvc_dimension_model.fct_collision_cras...	Error Code: 2013. Lost connection to MySQL server d...	30.013 sec
23:21:07	select count(c collision_id) as Car_Accidents from nyc_mvc_dimension_model.fct_collision_cras...	3 row(s) returned	18.628 sec / 0.00005...
23:21:46	select count(c collision_id) as Car_Accidents, dpt.PERSON_INJURY from nyc_mvc_dimension_m...	3 row(s) returned	22.098 sec / 0.00003...
23:22:27	select count(c collision_id) as Car_Accidents, dpt.PERSON_INJURY from nyc_mvc_dimension_m...	1 row(s) returned	16.758 sec / 0.00014...
23:23:37	select dpt.PERSON_TYPE,count(c collision_id) as BicycleAccidents from nyc_mvc_dimension_m...	4 row(s) returned	22.119 sec / 0.00007...

7.

```
select dpt.PERSON_TYPE,count(c collision_id) as BicycleAccidents
from nyc_mvc_dimension_model.fct_collision_crashes c
inner join nyc_mvc_dimension_model.fct_collision_persons p on
p.COLLISION_ID=c collision_id
inner join nyc_mvc_dimension_model.Dim_PersonType dpt on dpt.PERSON_TYPE_SK =
p.PERSON_TYPE_SK
GROUP BY dpt.PERSON_TYPE
```

The screenshot displays a MySQL IDE interface. The left sidebar shows a list of schemas, including 'adv_scd', 'chicagofoodspection', 'dmg7370', 'datadimension', 'food_inspections_universal', 'lowa', 'lowaliquorsales_dim', 'nyc_mvc_dimension_model', 'nyc_mvc_stage', 'sakila', 'sys', 'workshopadv', and 'world'. The main query editor contains the following SQL code:

```
9 select count(c collision_id) as Car_Accidents, dpt.PERSON_INJURY
10 from nyc_mvc_dimension_model.fct_collision_crashes c
11 inner join nyc_mvc_dimension_model.fct_collision_persons p on p.COLLISION_ID=c collision_id
12 inner join nyc_mvc_dimension_model.Dim_PersonType dpt on dpt.PERSON_INJURY_SK = p.PERSON_INJURY_SK
13 group by dpt.PERSON_INJURY
14 limit 1;
15
16 select dpt.PERSON_TYPE,count(c collision_id) as BicycleAccidents
17 from nyc_mvc_dimension_model.fct_collision_crashes c
18 inner join nyc_mvc_dimension_model.fct_collision_persons p on p.COLLISION_ID=c collision_id
19 inner join nyc_mvc_dimension_model.Dim_PersonType dpt on dpt.PERSON_TYPE_SK = p.PERSON_TYPE_SK
20 GROUP BY dpt.PERSON_TYPE
```

The 'Result Grid' shows the following data:

PERSON_TYPE	BicycleAccidents
Bicyclist	27272
Pedestrian	58590
Occupant	1431353
Other Motorized	1996

The 'Action Output' pane shows the execution log:

Time	Action	Response	Duration / Fetch Time
23:15:44	select a.borough,count(c collision_id) as No_of_Accidents from nyc_mvc_dimension_model.dim...	Error Code: 1054. Unknown column 'c collision_id' in '...	0.0083 sec
23:16:16	select a.borough,count(c collision_id) as No_of_Accidents from nyc_mvc_dimension_model.dim...	Error Code: 2013. Lost connection to MySQL server d...	30.014 sec
23:17:33	select a.borough,count(c collision_id) as No_of_Accidents from nyc_mvc_dimension_model.dim...	5 row(s) returned	28.212 sec / 0.00017...
23:19:33	select count(c collision_id) as Car_Accidents from nyc_mvc_dimension_model.fct_collision_cras...	Error Code: 2013. Lost connection to MySQL server d...	30.013 sec
23:21:07	select count(c collision_id) as Car_Accidents from nyc_mvc_dimension_model.fct_collision_cras...	3 row(s) returned	18.628 sec / 0.00005...
23:21:46	select count(c collision_id) as Car_Accidents, dpt.PERSON_INJURY from nyc_mvc_dimension_m...	3 row(s) returned	22.098 sec / 0.00003...
23:22:27	select count(c collision_id) as Car_Accidents, dpt.PERSON_INJURY from nyc_mvc_dimension_m...	1 row(s) returned	16.758 sec / 0.00014...
23:23:37	select dpt.PERSON_TYPE,count(c collision_id) as BicycleAccidents from nyc_mvc_dimension_m...	4 row(s) returned	22.119 sec / 0.00007...

8. select sum(fct.number_of_motorist_killed) as
motorist_killed,sum(fct.number_of_motorist_injured) as Motorist_Injured
from nyc_mvc_dimension_model.fct_collision_crashes fct;

MySQLAzureMySQLdummy

AdministrationSchemasQuery 1stg_nyc_mv_collisions_bigquerydim_vehicle_typedim_person_type

Limit to 1000 rows

SCHEMAS

Filter objects

adv_scdchicagofoodinspectiondmg7370datadimensionfood_inspections_universalowalowaialiquorsales_dimnyc_mvc_dimension_modelnyc_mvc_stagesakilasysworkshopadvworld

30

31

32

33

34

35

36

37

38

39

40

41

100%

56:40

1 error found

Result Grid

Filter Rows

Search

Export

motorist_killed

Motorist_Injured

376

162226

Result 2

Read Only

Action Output

0

Time

Action

Response

Duration / Fetch Time

23:19:33

select count(c.collison_id) as Car_Accidents from nyc_mvc_dimension_model.fct_collison_cras...

Error Code: 2013. Lost connection to MySQL server d...

30.013 sec

23:21:07

select count(c.collison_id) as Car_Accidents from nyc_mvc_dimension_model.fct_collison_cras...

3 row(s) returned

18.628 sec / 0.00005...

23:21:46

select count(c.collison_id) as Car_Accidents, dpl.PERSON_INJURY from nyc_mvc_dimension_m...

3 row(s) returned

22.098 sec / 0.00003...

23:22:27

select count(c.collison_id) as Car_Accidents, dpl.PERSON_INJURY from nyc_mvc_dimension_m...

1 row(s) returned

16.758 sec / 0.00014...

23:23:37

select dpt.PERSON_TYPE,count(c.collison_id) as BicycleAccidents from nyc_mvc_dimension_m...

4 row(s) returned

22.119 sec / 0.00007...

23:26:56

select count(c.collison_id) as No_of_Accidents, c.collison_time as TimeofAccident from nyc_m...

1000 row(s) returned

7.821 sec / 0.0014 sec

23:28:27

select sum(fct.number_of_motorist_killed) as motorist_killed,sum(fct.number_of_motorist_injur...

Error Code: 1064. You have an error in your SQL synta...

0.015 sec

23:29:55

select sum(fct.number_of_motorist_killed) as motorist_killed,sum(fct.number_of_motorist_injur...

1 row(s) returned

3.665 sec / 0.00067...

Query Completed

9.

```
select Year(c.collison_dt) as Year, COUNT(c.collison_id) as Truck_Accident
from nyc_mvc_dimension_model.fct_collison_crashes c
join nyc_mvc_dimension_model.fct_Collisions_Vehicles v on v.COLLISION_ID = c.collison_id
join nyc_mvc_dimension_model.Dim_VEHCILE_TYPE dvt on
dvt.VEHCILE_TYPE_SK=v.VEHCILE_TYPE_SK
where dvt.VEHCILE_TYPE like '%truc%'
group by Year(c.collison_dt)
order by 2 desc;
```

The screenshot shows a SQL IDE interface with a query editor, a schema browser, and an action output pane. The query in the editor is as follows:

```
44
45
46 select Year(c.collison_dt) as Year, COUNT(c.collison_id) as Truck_Accident
47 from nyc_mvc_dimension_model.fct_collison_crashes c
48 join nyc_mvc_dimension_model.fct_Collisions_Vehicles v on v.COLLISION_ID = c.collison_id
49 join nyc_mvc_dimension_model.Dim_VEHCILE_TYPE dvt on
50 dvt.VEHCILE_TYPE_SK=v.VEHCILE_TYPE_SK
51 where dvt.VEHCILE_TYPE like '%truc%'
52 group by Year(c.collison_dt)
53 order by 2 desc;
```

The action output pane shows the following error:

Time	Action	Response	Duration / Fetch Time
23:21:46	select count(c.collison_id) as Car_Accidents, dpl.PERSON_INJURY from nyc_mvc_dimension_m...	3 row(s) returned	22.098 sec / 0.00003...
23:22:27	select count(c.collison_id) as Car_Accidents, dpl.PERSON_INJURY from nyc_mvc_dimension_m...	1 row(s) returned	16.758 sec / 0.00014...
23:23:37	select dpl.PERSON_TYPE, count(c.collison_id) as BicycleAccidents from nyc_mvc_dimension_m...	4 row(s) returned	22.119 sec / 0.00007...
23:26:56	select count(c.collison_id) as No_of_Accidents, c.collison_time as TimeofAccident from nyc_m...	1000 row(s) returned	7.821 sec / 0.00014 sec
23:28:27	select sum(fct.number_of_motorist_killed) as motorist_killed, sum(fct.number_of_motorist_injur...	Error Code: 1064. You have an error in your SQL synta...	0.015 sec
23:29:55	select sum(fct.number_of_motorist_killed) as motorist_killed, sum(fct.number_of_motorist_injur...	1 row(s) returned	3.665 sec / 0.00067...
23:31:46	select Year(c.collison_dt) as Year, COUNT(c.collison_id) as Truck_Accident from nyc_mvc_dim...	Error Code: 1064. You have an error in your SQL synta...	0.021 sec
23:32:04	select Year(c.collison_dt) as Year, COUNT(c.collison_id) as Truck_Accident from nyc_mvc_dim...	5 row(s) returned	6.386 sec / 0.00079...