

1. Use Case – Create a new event and invite all alumni from a particular program in one query

Query – Stored Procedure based on Insert

```
USE segr5300;  
  
CALL `segr5300`.`spInviteProgramAlumniToEvent` (  
    'MSBA Annual Gala 2019',  
    '2019-06-13 14:30:00',  
    '2019-06-13 18:30:00',  
    'Optimism Brewery',  
    5,  
    3,  
    'MSBA');
```

Screenshot

```
CALL `segr5300`.`spInviteProgramAlumniToEvent` (  
    'MSBA Annual Gala 2019',  
    '2019-06-13 14:30:00',  
    '2019-06-13 18:30:00',  
    'Optimism Brewery',  
    5,  
    3,  
    'MSBA');
```

1:2			
out	⌵		
me	Action		Response
1:48:03	CALL `segr5300`.`spInviteProgramAlumniToEvent`('MSBA Annual Gala 2019', '2019-...		4 row(s) affected,

Proof of Insertion

```
1 • SELECT * FROM all_events  
2 ORDER BY all_events_id DESC
```

100%

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Result Grid

Filter Rows:

Export:

all_events_id	all_events_name	all_events_start_time	all_events_end_time	all_events_address	department_id	city_id
▶ 16	MSBA Annual Gala 2019	2019-06-13 14:30:00	2019-06-13 18:30:00	Optimism Brewery	5	3

1	•	SELECT * FROM alum_events
2		WHERE all_events_id = 16

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Result Grid			Filter Rows:	<input type="text" value="Search"/>
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alum_events_id	all_events_id	alumni_id	attended
▶ 41	16	7	0
42	16	9	0
43	16	31	0
44	16	40	0

2. Use Case – Find all alumni by Department – makes it easier to connect with alumni and display their basic contact information

Query – Stored Procedure based on Select

```
USE segr5300;
```

```
CALL `segr5300`.`spFindAlumniByDepartment`(1);
```

Screenshot

1	•	USE segr5300;
2		
3	•	CALL `segr5300`.`spFindAlumniByDepartment`(1);
4		
5		

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Result Grid		Filter Rows:	<input type="text" value="Search"/>	Export:	
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alumni_name	alumni_emailID	alumni_designation	company_name	department
▶ Blaine Bradshaw	Blaine.BRAD6459@yahoo.com	Senior Manager	Allstate	Accounting
Lucy Boyd	Lu.BOYD9078@gmail.com	Vice President	Republic Airways Holdings	Accounting
Sullivan Powers	Sull.POW6526@gmail.com	Vice President	Targa Resources	Accounting
Coleman Murray	Col.MURRA4855@mail2web.com	Administrative Assistant	W. R. Berkley Corporation	Accounting

3. Use Case – Get a snapshot of Alumni Profile showing contact information, donations till date, events attended, programs attended

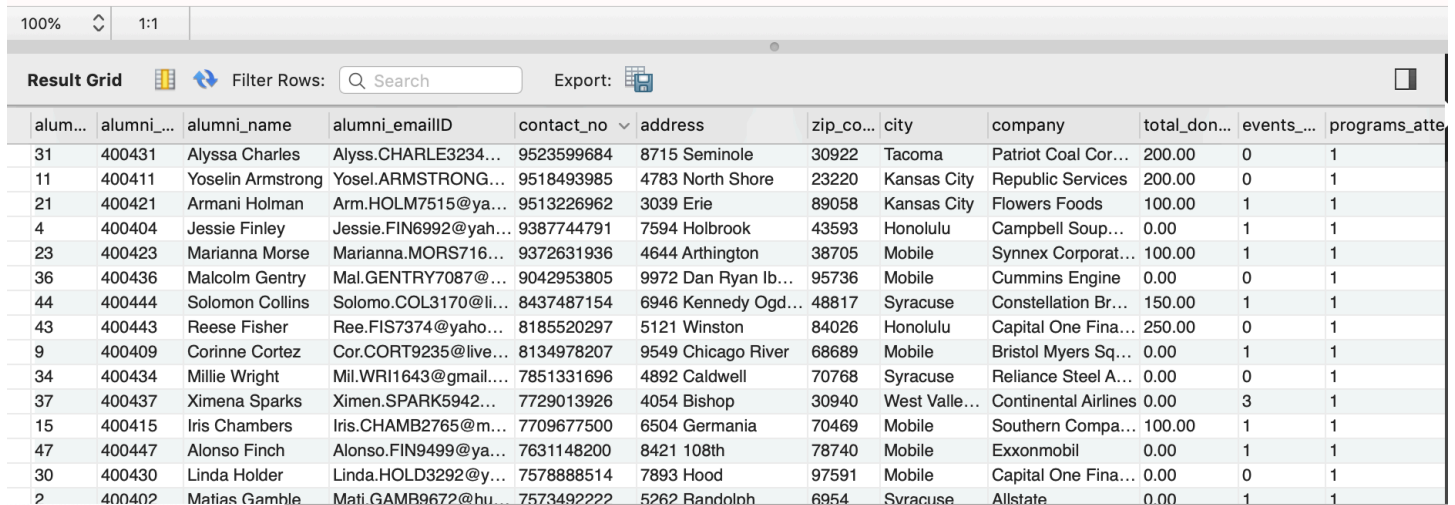
Query

```
USE segr5300;
```

```
SELECT * FROM segr5300.viewalumniprofilesnapshot;
```

Screenshot

1 • **SELECT * FROM** segr5300.viewalumniprofilesnapshot;



The screenshot shows a database query result grid with 12 columns: alum..., alumni..., alumni_name, alumni_emailID, contact_no, address, zip_co..., city, company, total_don..., events..., and programs_atte... The grid displays 20 rows of data, including names like Alyssa Charles, Yoselin Armstrong, Armani Holman, Jessie Finley, Marianna Morse, Malcolm Gentry, Solomon Collins, Reese Fisher, Corinne Cortez, Millie Wright, Ximena Sparks, Iris Chambers, Alonso Finch, Linda Holder, and Matias Gamble. Each row contains their respective contact information, address, zip code, city, company, total donations, events attended, and programs attended.

alum...	alumni...	alumni_name	alumni_emailID	contact_no	address	zip_co...	city	company	total_don...	events_...	programs_atte...
31	400431	Alyssa Charles	Alyss.CHARLE3234...	9523599684	8715 Seminole	30922	Tacoma	Patriot Coal Cor...	200.00	0	1
11	400411	Yoselin Armstrong	Yosel.ARMSTRONG...	9518493985	4783 North Shore	23220	Kansas City	Republic Services	200.00	0	1
21	400421	Armani Holman	Arm.HOLM7515@ya...	9513226962	3039 Erie	89058	Kansas City	Flowers Foods	100.00	1	1
4	400404	Jessie Finley	Jessie.FIN6992@yah...	9387744791	7594 Holbrook	43593	Honolulu	Campbell Soup...	0.00	1	1
23	400423	Marianna Morse	Marianna.MORS716...	9372631936	4644 Arthington	38705	Mobile	Synnex Corporat...	100.00	1	1
36	400436	Malcolm Gentry	Mal.GENTRY7087@...	9042953805	9972 Dan Ryan Ib...	95736	Mobile	Cummins Engine	0.00	0	1
44	400444	Solomon Collins	Solomo.COL3170@li...	8437487154	6946 Kennedy Ogd...	48817	Syracuse	Constellation Br...	150.00	1	1
43	400443	Reese Fisher	Ree.FIS7374@yaho...	8185520297	5121 Winston	84026	Honolulu	Capital One Fina...	250.00	0	1
9	400409	Corinne Cortez	Cor.CORT9235@live...	8134978207	9549 Chicago River	68689	Mobile	Bristol Myers Sq...	0.00	1	1
34	400434	Millie Wright	Mil.WRI1643@gmail...	7851331696	4892 Caldwell	70768	Syracuse	Reliance Steel A...	0.00	0	1
37	400437	Ximena Sparks	Ximen.SPARK5942...	7729013926	4054 Bishop	30940	West Valle...	Continental Airlines	0.00	3	1
15	400415	Iris Chambers	Iris.CHAMB2765@m...	7709677500	6504 Germania	70469	Mobile	Southern Compa...	100.00	1	1
47	400447	Alonso Finch	Alonso.FIN9499@ya...	7631148200	8421 108th	78740	Mobile	Exxonmobil	0.00	1	1
30	400430	Linda Holder	Linda.HOLD3292@y...	7578888514	7893 Hood	97591	Mobile	Capital One Fina...	0.00	0	1
2	400402	Matias Gamble	Mati.GAMB9672@hu...	7573492222	5262 Randolph	6954	Syracuse	Allstate	0.00	1	1

4. Use Case – View all events catalogue – will be helpful in searching through relevant events or displaying the results in a calendar

Query

```
USE segr5300;
```

```
SELECT `viewalleventscatalogue`.`all_events_name`,  
       `viewalleventscatalogue`.`event_date`,  
       `viewalleventscatalogue`.`event_start_time`,  
       `viewalleventscatalogue`.`event_end_time`,  
       `viewalleventscatalogue`.`host_department`,  
       `viewalleventscatalogue`.`location`,  
       `viewalleventscatalogue`.`city_name`,  
       `viewalleventscatalogue`.`country_name`  
FROM `segr5300`.`viewalleventscatalogue`;
```

Screenshot

```
1 • USE segr5300;
2 • SELECT `viewalleventscatalogue`.`all_events_name`,
3         `viewalleventscatalogue`.`event_date`,
4         `viewalleventscatalogue`.`event_start_time`,
5         `viewalleventscatalogue`.`event_end_time`,
6         `viewalleventscatalogue`.`host_department`,
7         `viewalleventscatalogue`.`location`,
8         `viewalleventscatalogue`.`city_name`,
9         `viewalleventscatalogue`.`country_name`
10 FROM `segr5300`.`viewalleventscatalogue`;
```

100% 14:1

Result Grid Filter Rows: Search Export:

all_events_name	event_date	event_start_time	event_end_time	host_department	location	city_name	country_name
Alumni Meet 2013	24 Jan 2013	04:30:00 PM	06:30:00 PM	Computer Science/Software Engineering	Garfield Community Center	Tacoma	Brazil
Senior Signature 2013	14 Apr 2013	09:30:00 AM	01:00:00 PM	Electrical/Computer Engineering	International Community Center	Tulsa	Brazil
Rendezvous 2013	16 Oct 2013	01:00:00 PM	03:00:00 PM	International Studies	Pacific Hall	Long Beach	Korea
Alumni Meet 2014	20 Jan 2014	04:30:00 PM	06:30:00 PM	Computer Science/Software Engineering	Garfield Community Center	Tacoma	Brazil
Rendezvous 2014	6 Oct 2014	01:00:00 PM	03:00:00 PM	International Studies	Pacific Hall	Long Beach	Korea
Senior Signature 2014	4 Apr 2014	09:30:00 AM	01:00:00 PM	Electrical/Computer Engineering	International Community Center	Tulsa	Brazil
Alumni Meet 2015	8 Jan 2015	04:30:00 PM	06:30:00 PM	Computer Science/Software Engineering	Garfield Community Center	Tacoma	Brazil
Rendezvous 2015	26 Oct 2015	01:00:00 PM	03:00:00 PM	International Studies	Pacific Hall	Long Beach	Korea
Senior Signature 2015	1 Apr 2015	09:30:00 AM	01:00:00 PM	Electrical/Computer Engineering	International Community Center	Tulsa	Brazil
Alumni Meet 2016	20 Jan 2016	04:30:00 PM	06:30:00 PM	Computer Science/Software Engineering	Garfield Community Center	Tacoma	Brazil
Rendezvous 2016	26 Oct 2016	01:00:00 PM	03:00:00 PM	International Studies	Pacific Hall	Long Beach	Korea
Senior Signature 2016	12 Apr 2016	09:30:00 AM	01:00:00 PM	Electrical/Computer Engineering	International Community Center	Tulsa	Brazil
Alumni Meet 2017	30 Jan 2017	04:30:00 PM	06:30:00 PM	Computer Science/Software Engineering	Garfield Community Center	Tacoma	Brazil
Rendezvous 2017	10 Oct 2017	01:00:00 PM	03:00:00 PM	International Studies	Pacific Hall	Long Beach	Korea

viewalleventscatalogue 4 Re

5. Use Case – Get the top 5 alumni based on donations to send them appreciation notes. This will build a continuous relationship.

Query

```
USE segr5300;
SELECT `viewtop5donation`.`alumni_name`,
       `viewtop5donation`.`Total_Donation`
FROM `segr5300`.`viewtop5donation`;
```

Screenshot

```
1 • USE segr5300;
2 • SELECT `viewtop5donation`.`alumni_name`,
3         `viewtop5donation`.`Total_Donation`
4 FROM `segr5300`.`viewtop5donation`;
5
```

100% 1:5

Result Grid Filter Rows: Search Export:

alumni_name	Total_Donation
Reese Fisher	250.00
Alyssa Charles	200.00
Yoselin Armstrong	200.00
Karlie Rutledge	200.00
Luka Sharpe	200.00