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

me	Action	Response
: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%   28:2

Result Grid | Filter Rows: Q Search   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
```

100%   ⇕   10:2

Result Grid   ⊞   ↩   Filter Rows: 🔍 Search

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
```

100%   ⇕   45:3

Result Grid   ⊞   Filter Rows: 🔍 Search   Export: 🖫

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
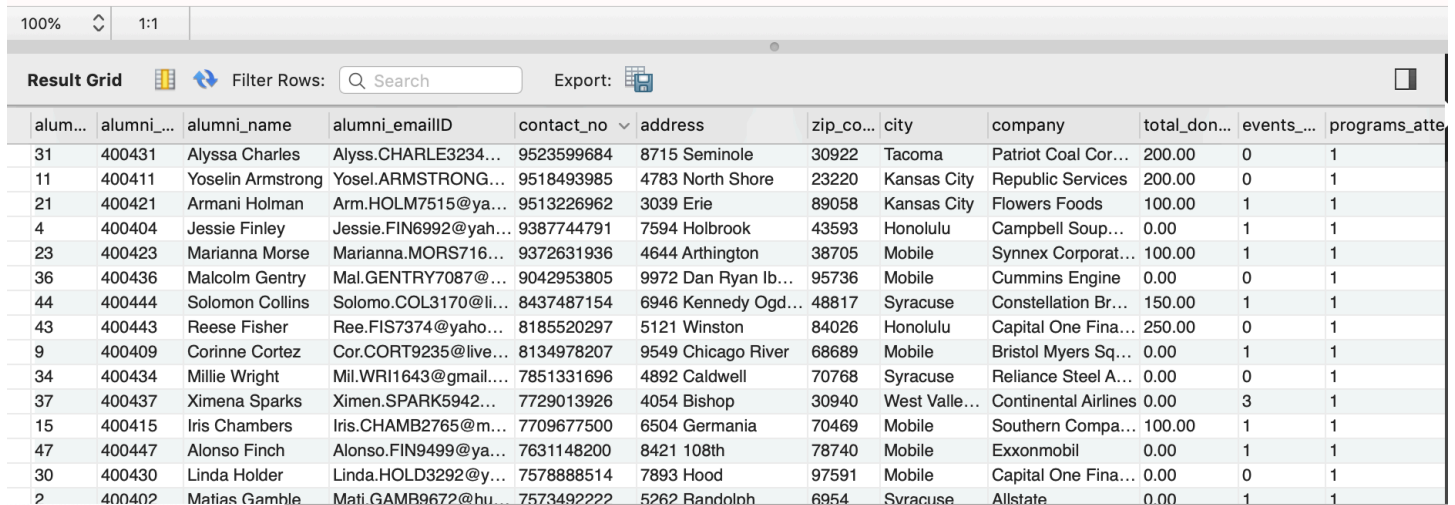
```
USE segr5300;

SELECT * FROM segr5300.viewalumniprofilesnapshot;
```

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

100%   ⇕   1:1

Result Grid | ↔   Filter Rows: Q Search   Export: 🖫

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

```
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`;
```

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