

## 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',
'2019-06-06 16:30:00',
'2019-06-06 20:30:00',
'Alber\'s School Lobby',
5,
3,
'MSBA');
```

### Screenshot

The screenshot displays the SQL Server Enterprise Manager interface. The top pane shows a query with 10 lines of code. The bottom pane shows the 'Action Output' window with a table of execution results.

	Time	Action	Response	Duration / Fetch Time
1	23:05:38	USE segr5300	0 row(s) affected	0.00021 sec
2	23:05:38	CALL `segr5300`.`spInviteProgramAlumniToEvent`('MSBA Annual Gala 2019', '2019-06-06 16:30:00', '2019-06-06 20:30:00', 'Alber\'s School Lobby', 5, 3, 'MSBA');	4 row(s) affected, 6 warning(s): 371...	0.0061 sec

## 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 the donations collected by different campaigns. This will help us strategize and market the necessary campaigns

## Query

```
USE segr5300;
```

```
SELECT `viewdonationbycampaign`.`CampaignName`,  
       `viewdonationbycampaign`.`TotalDonation_USD`  
FROM `segr5300`.`viewdonationbycampaign`;
```

## Screenshot

```
1 • USE segr5300;  
2  
3 • SELECT `viewdonationbycampaign`.`CampaignName`,  
4         `viewdonationbycampaign`.`TotalDonation_USD`  
5 FROM `segr5300`.`viewdonationbycampaign`;  
6  
7
```

100% 1:6

**Result Grid** Filter Rows: Search Export:

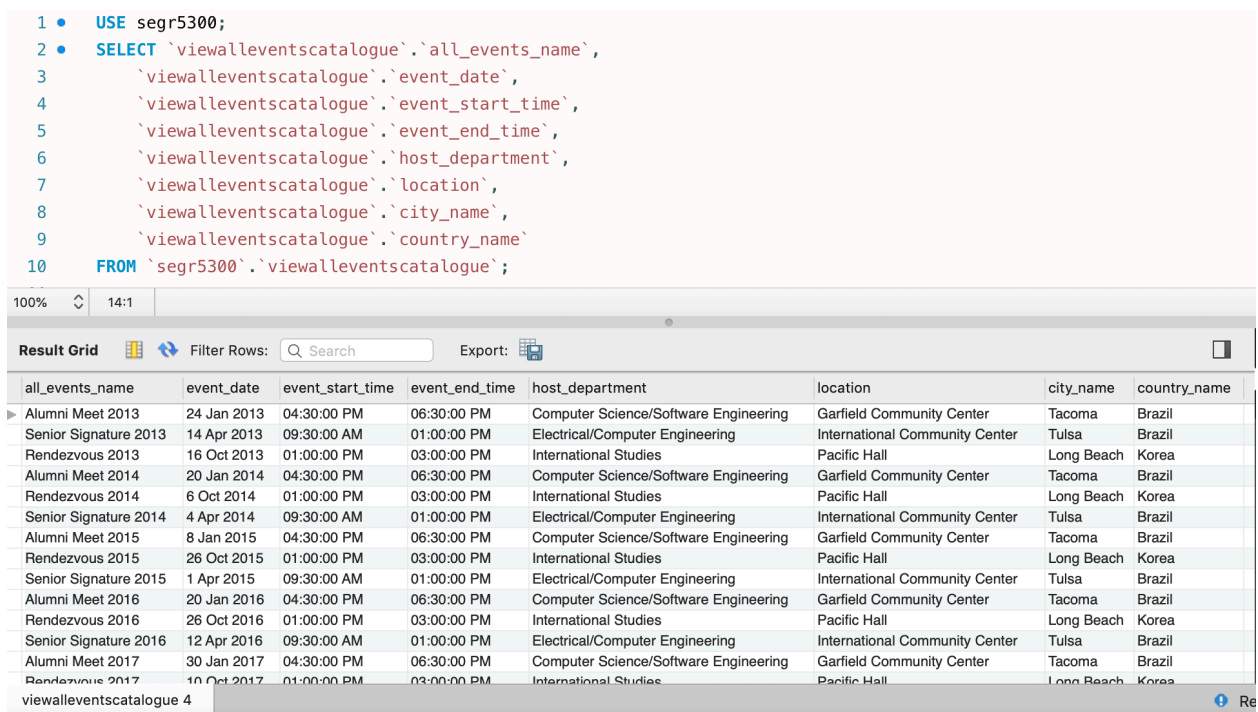
CampaignName	TotalDonation_USD
New Machine Learning Building	1430.00
Annual Scholarship fund	820.00
New Research Lab	630.00
Annual International Scholarship fund	450.00

#### 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



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

```
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`;
```

The results are displayed in a table with the following columns: all\_events\_name, event\_date, event\_start\_time, event\_end\_time, host\_department, location, city\_name, and country\_name. The table contains 20 rows of data, including events like Alumni Meet 2013, Senior Signature 2013, Rendezvous 2013, Alumni Meet 2014, Rendezvous 2014, Senior Signature 2014, Alumni Meet 2015, Rendezvous 2015, Senior Signature 2015, Alumni Meet 2016, Rendezvous 2016, Senior Signature 2016, Alumni Meet 2017, and Rendezvous 2017.

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

#### 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	