

Apply filters to SQL queries

Project description

Using SQL, the cybersecurity analyst investigates potential security issues by examining organisational data in the `employees` and `log_in_attempts` tables using SQL filters.

Retrieve after hours failed login attempts

```
MariaDB [organization]> SELECT * FROM log_in_attempts WHERE login_time > '18:00' AND success = TRUE;
```

event_id	username	login_date	login_time	country	ip_address	success
23	yappiah	2022-05-10	18:11:53	MEXICO	192.168.200.48	1
51	jrafael	2022-05-10	22:40:01	CANADA	192.168.148.115	1
54	jreckley	2022-05-10	19:31:19	MEXICO	192.168.167.152	1
57	asundara	2022-05-12	21:13:02	US	192.168.211.201	1
60	acook	2022-05-11	21:46:00	CAN	192.168.54.45	1
64	apatel	2022-05-10	22:00:09	CANADA	192.168.172.71	1
65	aalonso	2022-05-09	23:42:12	MEX	192.168.52.37	1
66	astrada	2022-05-08	21:58:32	MEX	192.168.67.223	1
105	cjackson	2022-05-12	19:36:42	CAN	192.168.247.153	1
108	daquino	2022-05-09	21:30:48	CANADA	192.168.15.110	1
115	ivelasco	2022-05-10	23:06:01	CAN	192.168.154.1	1
116	tmitchel	2022-05-10	20:33:27	MEXICO	192.168.119.26	1
118	smartell	2022-05-12	23:21:31	MEXICO	192.168.173.196	1
119	tmitchel	2022-05-11	23:07:13	MEXICO	192.168.110.175	1
121	btang	2022-05-10	22:00:36	US	192.168.80.143	1
126	jrafael	2022-05-12	18:47:52	CAN	192.168.22.16	1
132	rjensen	2022-05-12	23:26:03	MEX	192.168.9.166	1
158	smartell	2022-05-09	19:30:32	MEXICO	192.168.190.178	1
164	jclark	2022-05-12	21:15:52	CAN	192.168.18.34	1
173	asundara	2022-05-12	23:17:52	US	192.168.58.217	1

```
20 rows in set (0.001 sec)
```

```
MariaDB [organization]> 
```

To investigate a potential security incident that occurred after business hours, the analyst queried the `log_in_attempts` table and review after hours login activity, using SQL filters to create a query that identifies all failed login attempts that occurred after 18:00.

Retrieve login attempts on specific dates

```

MariaDB [organization]> SELECT * FROM log_in_attempts WHERE login_date = '2022-05-09' OR login_date = '2022-05-08';
+-----+-----+-----+-----+-----+-----+-----+
| event_id | username | login_date | login_time | country | ip_address | success |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | jrafael | 2022-05-09 | 04:56:27 | CAN | 192.168.243.140 | 1 |
| 3 | dkot | 2022-05-09 | 06:47:41 | USA | 192.168.151.162 | 1 |
| 4 | dkot | 2022-05-08 | 02:00:39 | USA | 192.168.178.71 | 0 |
| 8 | hisles | 2022-05-08 | 01:30:17 | US | 192.168.119.173 | 0 |
| 12 | dkot | 2022-05-08 | 09:11:34 | USA | 192.168.100.158 | 1 |
| 15 | lyamamot | 2022-05-09 | 17:17:26 | USA | 192.168.183.51 | 0 |
| 24 | arusso | 2022-05-09 | 06:49:39 | MEXICO | 192.168.171.192 | 1 |
| 25 | sbaelish | 2022-05-09 | 07:04:02 | US | 192.168.33.137 | 1 |
| 26 | apatel | 2022-05-08 | 17:27:00 | CANADA | 192.168.123.105 | 1 |
| 28 | aestrada | 2022-05-09 | 19:28:12 | MEXICO | 192.168.27.57 | 0 |
| 30 | yappiah | 2022-05-09 | 03:22:22 | MEX | 192.168.124.48 | 1 |
| 32 | acook | 2022-05-09 | 02:52:02 | CANADA | 192.168.142.239 | 0 |
| 36 | asundara | 2022-05-08 | 09:00:42 | US | 192.168.78.151 | 1 |
| 38 | sbaelish | 2022-05-09 | 14:40:01 | USA | 192.168.60.42 | 1 |
| 39 | yappiah | 2022-05-09 | 07:56:40 | MEXICO | 192.168.57.115 | 1 |
| 42 | cgriffin | 2022-05-09 | 23:04:05 | US | 192.168.4.157 | 0 |
| 43 | mcouliba | 2022-05-08 | 02:35:34 | CANADA | 192.168.16.208 | 0 |
| 44 | daquino | 2022-05-08 | 07:02:35 | CANADA | 192.168.168.144 | 0 |
| 47 | dkot | 2022-05-08 | 05:06:45 | US | 192.168.233.24 | 1 |
| 49 | asundara | 2022-05-08 | 14:00:01 | US | 192.168.173.213 | 0 |
| 53 | rmason | 2022-05-08 | 11:51:38 | CAN | 192.168.133.188 | 1 |
| 56 | acook | 2022-05-08 | 04:56:30 | CAN | 192.168.209.130 | 1 |
| 58 | ivelasco | 2022-05-09 | 17:20:54 | CAN | 192.168.57.162 | 0 |
| 61 | dtanaka | 2022-05-09 | 09:45:18 | USA | 192.168.98.221 | 1 |
| 65 | aalonso | 2022-05-09 | 23:42:12 | MEX | 192.168.52.37 | 1 |
| 66 | aestrada | 2022-05-08 | 21:58:32 | MEX | 192.168.67.223 | 1 |
| 67 | abernard | 2022-05-09 | 11:53:41 | MEX | 192.168.118.29 | 1 |
| 68 | mrah | 2022-05-08 | 17:16:13 | US | 192.168.42.248 | 1 |
| 70 | twitchel | 2022-05-09 | 10:55:17 | MEXICO | 192.168.87.199 | 1 |
| 71 | mcouliba | 2022-05-09 | 06:57:42 | CAN | 192.168.55.169 | 0 |
| 72 | alevitsk | 2022-05-08 | 12:09:10 | CANADA | 192.168.139.176 | 1 |
| 79 | abernard | 2022-05-09 | 11:41:15 | MEX | 192.168.158.170 | 0 |
| 80 | cjackson | 2022-05-08 | 02:18:10 | CANADA | 192.168.33.140 | 1 |
| 83 | lrodrigu | 2022-05-08 | 08:10:23 | USA | 192.168.67.69 | 1 |
| 87 | apatel | 2022-05-08 | 22:38:31 | CANADA | 192.168.132.153 | 0 |
| 90 | gesparza | 2022-05-09 | 00:49:05 | CANADA | 192.168.87.201 | 0 |
| 92 | pwashing | 2022-05-08 | 00:36:12 | US | 192.168.247.219 | 0 |
| 96 | ivelasco | 2022-05-09 | 22:36:36 | CAN | 192.168.84.194 | 0 |
| 97 | jreckley | 2022-05-09 | 02:49:23 | MEXICO | 192.168.32.231 | 1 |
| 101 | sbaelish | 2022-05-08 | 12:01:22 | US | 192.168.145.158 | 0 |
| 102 | jreckley | 2022-05-09 | 16:51:44 | MEX | 192.168.108.13 | 1 |
| 108 | daquino | 2022-05-09 | 21:30:48 | CANADA | 192.168.15.110 | 1 |
| 110 | mahadi | 2022-05-09 | 00:01:54 | USA | 192.168.90.124 | 1 |
| 112 | rjensen | 2022-05-09 | 09:22:05 | MEX | 192.168.69.116 | 1 |
| 117 | bsand | 2022-05-08 | 00:19:11 | USA | 192.168.197.187 | 0 |
| 120 | twitchel | 2022-05-09 | 02:58:17 | MEXICO | 192.168.134.62 | 0 |
| 127 | abellmas | 2022-05-09 | 21:20:51 | CANADA | 192.168.70.122 | 0 |
| 128 | jclark | 2022-05-09 | 10:45:59 | CANADA | 192.168.122.169 | 0 |
| 131 | hisles | 2022-05-09 | 20:03:55 | US | 192.168.113.171 | 0 |
| 134 | iudhike | 2022-05-09 | 06:46:40 | USA | 192.168.22.115 | 1 |
| 135 | bsand | 2022-05-09 | 14:06:33 | US | 192.168.91.238 | 0 |
| 144 | daquino | 2022-05-09 | 11:09:32 | CANADA | 192.168.139.9 | 0 |
| 145 | ivelasco | 2022-05-08 | 09:06:02 | CANADA | 192.168.39.196 | 1 |
| 147 | yappiah | 2022-05-08 | 06:04:34 | MEX | 192.168.65.245 | 0 |
| 148 | daquino | 2022-05-08 | 06:15:55 | CANADA | 192.168.135.6 | 1 |
| 150 | rmason | 2022-05-08 | 14:40:02 | CAN | 192.168.204.124 | 0 |
| 151 | mahadi | 2022-05-09 | 16:29:46 | USA | 192.168.30.225 | 1 |
| 158 | smartell | 2022-05-09 | 19:30:32 | MEXICO | 192.168.190.178 | 1 |
| 161 | abellmas | 2022-05-09 | 13:25:50 | CAN | 192.168.180.205 | 0 |
| 162 | yappiah | 2022-05-09 | 04:51:22 | MEXICO | 192.168.162.100 | 0 |
| 163 | twitchel | 2022-05-08 | 09:21:16 | MEX | 192.168.119.29 | 0 |
| 165 | jreckley | 2022-05-08 | 15:28:43 | MEXICO | 192.168.34.193 | 0 |
| 168 | jlansky | 2022-05-08 | 13:25:42 | USA | 192.168.210.94 | 1 |
| 169 | alevitsk | 2022-05-08 | 08:10:43 | CANADA | 192.168.210.228 | 0 |
| 170 | sbaelish | 2022-05-09 | 16:43:18 | USA | 192.168.65.113 | 0 |
| 172 | mahadi | 2022-05-08 | 08:06:50 | US | 192.168.180.41 | 1 |
| 178 | sgilmore | 2022-05-08 | 12:27:22 | CAN | 192.168.52.216 | 0 |
| 184 | alevitsk | 2022-05-08 | 03:09:48 | CAN | 192.168.33.70 | 0 |
| 186 | hisles | 2022-05-09 | 04:29:17 | USA | 192.168.40.72 | 0 |
| 187 | arusso | 2022-05-09 | 00:36:26 | MEX | 192.168.77.137 | 0 |
| 189 | rmason | 2022-05-08 | 05:37:24 | CANADA | 192.168.168.117 | 1 |
| 190 | jsoto | 2022-05-09 | 05:09:21 | USA | 192.168.25.60 | 0 |
| 191 | cjackson | 2022-05-08 | 06:46:07 | CANADA | 192.168.7.187 | 0 |
| 193 | lrodrigu | 2022-05-08 | 07:11:29 | US | 192.168.125.240 | 0 |
| 197 | jsoto | 2022-05-08 | 09:05:09 | US | 192.168.36.21 | 0 |
+-----+-----+-----+-----+-----+-----+-----+
75 rows in set (0.002 sec)
MariaDB [organization]>

```

To investigate a suspicious event which occurred on 2022-05-09, the analyst reviewed all login attempts that occurred on this day and the day before using SQL filters to create a query that identifies all login attempts that occurred on 2022-05-09 or 2022-05-08.

Retrieve login attempts outside of Mexico

```
MacallS [organisation]> SELECT * FROM log_in_attempts WHERE NOT country LIKE 'MEX%';
```

event_id	username	login_date	login_time	country	ip_address	success
1	jeanfaul	2022-08-09	04:56:27	CAN	192.168.243.143	1
2	agural	2022-08-10	20:27:27	CAN	192.168.203.18	1
3	dect	2022-08-09	06:47:45	USA	192.168.151.202	1
4	dect	2022-08-08	02:00:39	USA	192.168.178.71	1
5	jeanfaul	2022-08-11	02:55:39	CANADA	192.168.86.832	1
7	asank	2022-08-11	01:45:14	CAN	192.168.170.243	1
9	kislas	2022-08-09	03:10:17	US	192.168.133.173	1
10	jeanfaul	2022-08-12	09:51:19	CANADA	192.168.228.223	1
11	agurinas	2022-08-11	10:16:09	CANADA	192.168.140.81	1
12	dect	2022-08-08	08:11:34	USA	192.168.100.184	1
13	neah	2022-08-11	08:29:34	USA	192.168.244.138	1
14	asank	2022-08-10	10:50:18	US	192.168.2.6	1
15	lyamawt	2022-08-09	17:17:06	USA	192.168.183.51	1
16	monolika	2022-08-11	06:44:02	CAN	192.168.172.189	1
17	neahing	2022-08-11	02:33:02	USA	192.168.81.18	1
18	neahing	2022-08-11	18:08:50	US	192.168.66.142	1
19	hill	2022-08-09	13:09:04	US	192.168.142.240	1
21	luduke	2022-08-11	17:50:00	US	192.168.131.147	1
25	asank	2022-08-09	07:04:02	US	192.168.33.137	1
26	agural	2022-08-11	17:07:00	CANADA	192.168.123.109	1
29	kislas	2022-08-11	01:21:22	US	192.168.85.186	1
31	asank	2022-08-11	17:46:45	CANADA	192.168.85.232	1
32	asank	2022-08-09	02:52:02	CANADA	192.168.142.238	1
33	asank	2022-08-11	02:52:10	US	192.168.72.89	1
34	asank	2022-08-11	21:02:04	US	192.168.42.53	1
36	asank	2022-08-09	09:00:42	US	192.168.78.151	1
37	neah	2022-08-10	04:02:41	CANADA	192.168.152.149	1
38	asank	2022-08-09	14:40:01	USA	192.168.60.42	1
40	agural	2022-08-09	17:09:42	CANADA	192.168.207.207	1
42	opifirif	2022-08-09	23:04:05	US	192.168.4.187	1
43	monolika	2022-08-09	02:35:34	CANADA	192.168.16.208	1
44	daquino	2022-08-09	07:02:35	CANADA	192.168.168.144	1
45	stamaka	2022-08-11	10:08:54	US	192.168.223.137	1
46	asank	2022-08-11	11:28:27	CAN	192.168.24.12	1
47	dect	2022-08-08	05:06:45	US	192.168.233.24	1
48	asank	2022-08-11	03:18:45	USA	192.168.72.40	1
49	asank	2022-08-10	14:00:01	CANADA	192.168.173.233	1
50	olnak	2022-08-10	10:48:02	CANADA	192.168.174.117	1
51	jeanfaul	2022-08-11	22:40:01	CANADA	192.168.148.113	1
52	opackam	2022-08-10	22:07:07	CAN	192.168.58.87	1
53	asank	2022-08-11	11:11:34	CAN	192.168.333.189	1
55	lansky	2022-08-11	03:15:34	US	192.168.6.170	1
56	asank	2022-08-09	04:56:30	CAN	192.168.203.130	1
57	asank	2022-08-11	01:13:02	US	192.168.211.201	1
58	velasoz	2022-08-09	17:40:34	CAN	192.168.97.162	1
59	asank	2022-08-11	21:44:00	CAN	192.168.54.48	1
61	stamaka	2022-08-09	09:45:18	USA	192.168.88.221	1
64	agural	2022-08-10	22:00:09	CANADA	192.168.172.71	1
66	neah	2022-08-08	17:14:13	US	192.168.42.248	1
69	waffrey	2022-08-11	18:55:15	USA	192.168.100.17	1
71	monolika	2022-08-09	08:07:42	CAN	192.168.55.149	1
72	alewtak	2022-08-09	12:09:10	CANADA	192.168.139.174	1
73	abemal	2022-08-10	17:44:45	USA	192.168.80.46	1
74	neasm	2022-08-12	13:15:48	CAN	192.168.162.2	1
75	abemal	2022-08-12	04:14:35	US	192.168.188.43	1
76	neasm	2022-08-12	10:32:35	US	192.168.63.800	1
77	waffrey	2022-08-12	08:37:59	US	192.168.106.183	1
83	luduke	2022-08-09	02:18:10	CANADA	192.168.222.116	1
84	jeanfaul	2022-08-11	05:26:17	CAN	192.168.243.203	1
86	stamaka	2022-08-10	10:22:20	USA	192.168.137.138	1
87	agural	2022-08-08	22:38:31	CANADA	192.168.132.153	1
89	dect	2022-08-09	02:02:00	US	192.168.228.178	1
90	gepewas	2022-08-09	00:49:05	CANADA	192.168.87.201	1
91	hill	2022-08-11	17:44:47	US	192.168.172.74	1
92	neahing	2022-08-10	00:16:18	US	192.168.247.214	1
96	velasoz	2022-08-09	22:36:36	CAN	192.168.84.184	1
98	gepewas	2022-08-12	06:20:14	CANADA	192.168.164.45	1
99	monolika	2022-08-12	11:54:14	CANADA	192.168.218.160	1
101	asank	2022-08-09	12:01:22	US	192.168.143.188	1
103	hill	2022-08-11	03:15:54	US	192.168.65.153	1
104	asank	2022-08-11	18:38:07	US	192.168.96.200	1
105	opackam	2022-08-12	15:16:40	CAN	192.168.167.183	1
107	kislas	2022-08-12	20:25:57	USA	192.168.116.187	1
108	asank	2022-08-10	21:20:48	CANADA	192.168.1015	1
109	monolika	2022-08-10	04:42:15	CANADA	192.168.35.246	1
110	abemal	2022-08-09	00:01:54	USA	192.168.90.124	1
113	gepewas	2022-08-10	00:06:00	CAN	192.168.64.133	1
115	velasoz	2022-08-10	23:06:01	CAN	192.168.154.1	1
117	agural	2022-08-10	02:58:31	US	192.168.177.189	1
121	trung	2022-08-10	22:00:36	US	192.168.80.143	1
123	neasm	2022-08-10	04:43:30	CANADA	192.168.98.2	1
124	asank	2022-08-10	10:51:21	US	192.168.134.238	1
125	kislas	2022-08-11	08:24:19	US	192.168.74.9	1
126	jeanfaul	2022-08-11	18:47:52	CAN	192.168.22.16	1
127	abailas	2022-08-09	21:20:51	CANADA	192.168.70.122	1
128	olnak	2022-08-09	10:45:59	CANADA	192.168.102.169	1
129	asank	2022-08-12	13:19:40	US	192.168.152.202	1
130	neah	2022-08-11	02:54:21	USA	192.168.102.147	1
131	kislas	2022-08-12	20:02:55	US	192.168.113.171	1
133	asank	2022-08-12	05:57:04	USA	192.168.6.9	1
134	luduke	2022-08-09	06:46:40	USA	192.168.22.116	1
135	neasm	2022-08-09	14:06:39	US	192.168.51.238	1
136	abemal	2022-08-10	05:56:44	US	192.168.214.234	1
137	jeanfaul	2022-08-12	02:42:27	CAN	192.168.146.174	1
139	agural	2022-08-11	01:54:36	CAN	192.168.95.222	1
140	trung	2022-08-12	12:37:28	US	192.168.49.111	1
141	trung	2022-08-12	10:12:03	USA	192.168.82.139	1
142	gepewas	2022-08-11	06:31:14	CANADA	192.168.117.56	1
143	hill	2022-08-11	00:30:22	USA	192.168.183.15	1
144	daquino	2022-08-09	11:09:32	CANADA	192.168.139.9	1
145	velasoz	2022-08-09	09:04:02	CANADA	192.168.35.166	1
146	neasm	2022-08-10	02:25:55	CANADA	192.168.37.147	1
148	daquino	2022-08-09	04:15:55	CANADA	192.168.135.4	1
149	lansky	2022-08-11	01:07:51	US	192.168.238.42	1
150	neasm	2022-08-08	14:40:02	CAN	192.168.204.134	1
151	abemal	2022-08-08	14:03:46	USA	192.168.75.235	1
152	abemal	2022-08-12	10:24:43	USA	192.168.96.244	1
153	asank	2022-08-12	10:37:35	US	192.168.22.82	1
155	opifirif	2022-08-12	02:38:42	USA	192.168.236.174	1
156	trung	2022-08-11	17:08:51	USA	192.168.243.55	1
158	luduke	2022-08-11	16:45:50	USA	192.168.220.113	1
160	olnak	2022-08-10	20:45:00	CANADA	192.168.214.49	1
161	asank	2022-08-10	13:25:30	CAN	192.168.205.208	1
164	olnak	2022-08-12	21:15:52	CAN	192.168.18.34	1
167	olnak	2022-08-12	15:47:45	CAN	192.168.146.51	1
168	lansky	2022-08-08	13:42:40	US	192.168.215.54	1
169	alewtak	2022-08-08	08:10:43	CANADA	192.168.210.228	1
170	asank	2022-08-09	14:02:18	USA	192.168.49.112	1
171	asank	2022-08-10	16:32:55	USA	192.168.82.218	1
172	abemal	2022-08-09	08:04:50	US	192.168.180.41	1
173	asank	2022-08-12	03:17:52	US	192.168.15.217	1
174	lyamawt	2022-08-10	12:24:27	US	192.168.228.122	1
175	hill	2022-08-10	00:17:08	US	192.168.130.201	1
177	waffrey	2022-08-11	00:15:55	USA	192.168.144.168	1
178	gepewas	2022-08-12	12:27:22	CAN	192.168.62.214	1
179	olnak	2022-08-12	04:08:17	CAN	192.168.232.53	1
181	abailas	2022-08-10	13:37:03	CAN	192.168.60.111	1
182	lyamawt	2022-08-10	06:01:31	USA	192.168.154.52	1
183	neasm	2022-08-11	05:29:36	CANADA	192.168.137.147	1
184	alewtak	2022-08-09	03:09:48	CAN	192.168.23.70	1
185	jeanfaul	2022-08-10	13:34:58	USA	192.168.151.51	1
186	kislas	2022-08-09	04:29:17	USA	192.168.40.72	1
188	jeanfaul	2022-08-11	02:35:08	USA	192.168.21.88	1
189	neasm	2022-08-08	05:37:24	CANADA	192.168.169.117	1
190	jeanfaul	2022-08-09	05:05:21	USA	192.168.25.40	1
191	opackam	2022-08-08	06:46:07	CANADA	192.168.7.187	1
192	kislas	2022-08-10	08:22:03	USA	192.168.203.46	1
193	luduke	2022-08-08	07:11:28	US	192.168.123.240	1
194	olnak	2022-08-12	14:11:04	CAN	192.168.197.247	1
195	alewtak	2022-08-11	04:45:13	CANADA	192.168.234.36	1
196	asank	2022-08-10	09:56:48	CAN	192.168.52.50	1
197	jeanfaul	2022-08-12	08:03:03	US	192.168.26.21	1
200	olnak	2022-08-12	01:11:45	CANADA	192.168.51.103	1

144 rows in set (0.002 sec)

```
MacallS [organisation]>
```

To investigate suspicious activity with login attempts that originated outside Mexico, the analyst investigated login attempts that occurred outside of Mexico using SQL filters to create a query that identifies all login attempts that occurred outside of Mexico, including the full country name and abbreviations.

Retrieve employees in Marketing

```
MariaDB [organization]> SELECT * FROM employees WHERE department = 'Marketing' AND office LIKE 'East%';
```

employee_id	device_id	username	department	office
1000	a320b137c219	elarson	Marketing	East-170
1052	a192b174c940	jdarosa	Marketing	East-195
1075	x573y883z772	fbautist	Marketing	East-267
1088	k865l965m233	rgosh	Marketing	East-157
1103	NULL	randerss	Marketing	East-460
1156	a184b775c707	dellery	Marketing	East-417
1163	h679i515j339	cwilliam	Marketing	East-216

```
7 rows in set (0.001 sec)
```

```
MariaDB [organization]>
```

To allow the team to perform security updates on specific employee machines in the Marketing department, the analyst created a query that identifies all employees in the Marketing department for all offices in the East building.

Retrieve employees in Finance or Sales

```
MariaDB [organization]> SELECT * FROM employees WHERE department = 'Finance' and department
department = 'Finance' OR department = 'Sales';
```

employee_id	device_id	username	department	office
1009	NULL	lrodriqu	Sales	South-134
1011	1748m120n401	drosas	Sales	South-292
1024	y976z753a267	iuduike	Sales	South-215
1025	z381a365b233	jhill	Sales	North-115
1035	j236k303l245	bisles	Sales	South-171
1039	n253o917p623	cjackson	Sales	East-378
1041	p929q222r778	cgriffin	Sales	North-208
1057	f370g535h632	mscott	Sales	South-270
1063	l686m140n569	lpope	Sales	East-226
1066	o678p794q957	ttyrell	Sales	Central-444
1071	t244u829v723	zdutchma	Sales	West-348
1072	u905v920w694	esmith	Sales	East-421
1078	a667b270c984	sharley	Sales	North-418
1085	h339i498j269	cperez	Sales	East-325
1086	i281j129k749	lmajumda	Sales	West-499
1089	l358m929n154	jpark2	Sales	West-251
1091	n378o313p469	rtran	Sales	Central-230
1092	o391p779q935	lpark	Sales	West-227
1098	u671v146w618	tarchamb	Sales	North-423
1107	d168e758f876	akajwara	Sales	North-471
1109	f229g533h679	nlocklea	Sales	East-196
1110	g567h376i314	pchaudhu	Sales	Central-428
1111	h835i179j862	jlee	Sales	West-309
1116	m272n572o874	nzhao	Sales	South-100
1117	n683o758p820	dahmad	Sales	West-405
1118	o305p208q337	jpark3	Sales	South-329
1119	p164q780r999	omubarak	Sales	West-409
1121	r628s557t397	mrojas	Sales	East-288
1130	a317b635c465	tsnow	Sales	Central-451
1169	NULL	mmitchel	Sales	Central-250
1176	u849v569w521	nliu	Sales	West-220
1185	d790e839f461	revens	Sales	North-330
1186	e281f433g404	sacosta	Sales	North-460

```
33 rows in set (0.001 sec)
```

```
MariaDB [organization]> 
```

To allow the team to perform a different security update on machines for employees in the Sales and Finance departments, the analyst used SQL filters to create a query that identifies all employees in either the Sales or Finance departments.

[illegible]

Summary

Using filters in SQL allows analysts and the teams they are part of to complete a number of cybersecurity tasks with specific criteria, selecting individuals, machines and incidents that meet various criteria for further action.