

JOIN

```
MariaDB [organization]> SELECT *
->
-> FROM machines;
```

device_id	operating_system	email_client	OS_patch_date	employee_id
a184b775c707	OS 1	Email Client 1	2021-09-01	1156
a192b174c940	OS 2	Email Client 1	2021-06-01	1052
a305b818c708	OS 3	Email Client 2	2021-06-01	1182
a317b635c465	OS 1	Email Client 2	2021-03-01	1130
a320b137c219	OS 2	Email Client 2	2021-03-01	1000
a398b471c573	OS 3	Email Client 2	2021-12-01	0
a667b270c984	OS 1	Email Client 1	2021-03-01	1078
a821b452c176	OS 2	Email Client 2	2021-12-01	1104

```
MariaDB [organization]> SELECT *
->
-> FROM machines
->
-> INNER JOIN employees ON machines.device_id = employees.device_id;
```

device_id	username	department	email_client	office	OS_patch_date	employee_id	employee_id	device_id
a320b137c219	el Larson	Marketing	Email Client 2	East-170	2021-03-01	1000	1000	a320b137c219
b239c825d303	bmoreno	Marketing	Email Client 1	Central-276	2021-03-01	1001	1001	b239c825d303
c116d593e558	tshah	Human Resources	Email Client 1	North-434	2021-09-01	1002	1002	c116d593e558
d394e816f943	sgilmore	Finance	Email Client 2	South-153	2021-03-01	1003	1003	d394e816f943
e218f877g788	eraab	Human Resources	Email Client 1	South-127	2021-09-01	1004	1004	e218f877g788
f551g340h864	gesparza	Human Resources	Email Client 2	South-366	2021-12-01	1005	1005	f551g340h864
g329h357i597	alevitsk	Information Technology	Email Client 2	East-320	2021-06-01	1006	1006	g329h357i597
h174i497j413			Email Client 1		2021-03-01	1007	1007	h174i497j413

```
MariaDB [organization]> SELECT *
->
-> FROM machines
->
-> LEFT JOIN employees ON machines.device_id = employees.device_id;
```

device_id	username	department	email_client	office	OS_patch_date	employee_id	employee_id	device_id
a320b137c219	el Larson	Marketing	Email Client 2	East-170	2021-03-01	1000	1000	a320b137c219
b239c825d303	bmoreno	Marketing	Email Client 1	Central-276	2021-03-01	1001	1001	b239c825d303
c116d593e558	tshah	Human Resources	Email Client 1	North-434	2021-09-01	1002	1002	c116d593e558
d394e816f943	sgilmore	Finance	Email Client 2	South-153	2021-03-01	1003	1003	d394e816f943
e218f877g788	eraab	Human Resources	Email Client 1	South-127	2021-09-01	1004	1004	e218f877g788
f551g340h864	gesparza	Human Resources	Email Client 2	South-366	2021-12-01	1005	1005	f551g340h864
g329h357i597	alevitsk	Information Technology	Email Client 2	East-320	2021-06-01	1006	1006	g329h357i597

```
MariaDB [organization]> SELECT * FROM machines RIGHT JOIN employees ON machines.device_id = employees.device_id;
```

device_id	operating_system	email_client	OS_patch_date	employee_id	employee_id	device_id
id	username	department	office			
a320b137c219	OS 2	Email Client 2	2021-03-01	1000	1000	a320b137c219
el Larson	Marketing	East-170				
b239c825d303	OS 1	Email Client 1	2021-03-01	1001	1001	b239c825d303
bmoreno	Marketing	Central-276				
c116d593e558	OS 3	Email Client 1	2021-09-01	1002	1002	c116d593e558
tshah	Human Resources	North-434				
d394e816f943	OS 3	Email Client 2	2021-03-01	1003	1003	d394e816f943
sgilmore	Finance	South-153				
e218f877g788	OS 2	Email Client 1	2021-09-01	1004	1004	e218f877g788
eraab	Human Resources	South-127				

```
MariaDB [organization]> SELECT * FROM employees INNER JOIN log_in_attempts ON employees.username = log_in_attempts.username;
```

employee_id	device_id	username	department	office	event_id	username	login_date	login_time	country	ip_address	success
1032	g773h303i639	jrafael	Information Technology	Central-309	1	jrafael	2022-05-09	04:56:27	CAN	192.168.243.140	0
1026	a998b568c863	apatel	Human Resources	West-320	2	apatel	2022-05-10	20:27:27	CAN	192.168.205.12	0
1031	f419g188h578	dkot	Marketing	West-408	3	dkot	2022-05-09	06:47:41	USA	192.168.151.162	0
1031	f419g188h578	dkot	Marketing	West-408	4	dkot	2022-05-08	02:00:39	USA	192.168.178.71	0
1032	g773h303i639	jrafael	Information Technology	Central-309	5	jrafael	2022-05-11	03:05:59	CANADA	192.168.86.232	0