

Users data quality –

```
select * from users
```

72
73 `select * from users`
74

Data Output Messages Notifications

	user_id [PK] character varying (700)	active boolean	role character varying (350)	signUpSource character varying (700)	state character varying (50)	createdDate timestamp without time zone	lastLogin timestamp without time zone
1	5ff1e194b6a9d73a3a9f1052	true	consumer	Email	WI	2021-01-03 10:24:04.8	2021-01-03 10:25:37.858
2	5ff1e1eacfc6c399c274ae6	true	consumer	Email	WI	2021-01-03 10:25:30.554	2021-01-03 10:25:30.597
3	5ff1e1e8cfc6c399c274ad9	true	consumer	Email	WI	2021-01-03 10:25:28.354	2021-01-03 10:25:28.392
4	5ff1e1b7cfc6c399c274a5a	true	consumer	Email	WI	2021-01-03 10:24:39.626	2021-01-03 10:24:39.665
5	5ff1e1f1cfc6c399c274b0b	true	consumer	Email	WI	2021-01-03 10:25:37.564	2021-01-03 10:25:37.599
6	5ff1e1e4cfc6c399c274ac3	true	consumer	Email	WI	2021-01-03 10:25:24.656	2021-01-03 10:25:24.694
7	5ff1e1b4cfc6c399c274a54	true	consumer	Email	WI	2021-01-03 10:24:36.41	2021-01-03 10:24:36.452
8	5ff1e1e1cfc6c399c274a55	true	consumer	Email	WI	2021-01-03 10:24:37.776	2021-01-03 10:24:37.814

```
select user_id, count(*) from users  
group by user_id  
having count(*) > 1
```

74
75 `select user_id, count(*) from users`
76 `group by user_id`
77 `having count(*) > 1`
78

Data Output Messages Notifications

user_id [PK] character varying (700)	count bigint
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```
ALTER TABLE users  
ADD CONSTRAINT pk_users PRIMARY KEY (user_id);
```