Unlock a User in Oracle

Summary: In this lab, you will learn how to unlock a user in Oracle by using the `ALTER USER ACCOUNT UNLOCK` statement.

To unlock a user in Oracle, you follow these steps:

- First, log in to the Oracle Database as a `SYS` user.
- Then, use `ALTER USER` statement to unlock the user as follows:

```
ALTER USER username IDENTIFIED BY password ACCOUNT UNLOCK;
```


Note that if you unlock an account without resetting the password, then the password remains expired, therefore, the `IDENTIFIED BY password` clause is necessary. The first time the user logs in to the Oracle Database, he needs to change his password.

Let's see an example of unlocking a user.

Create a user `alice` which is locked.

```
CREATE USER alice IDENTIFIED BY abcd1234;

GRANT CREATE SESSION TO alice;

ALTER USER alice ACCOUNT LOCK;
```

When `alice` logs in, she will see the `account is locked` message.

To unlock the user `alice`, you use these steps:

First, log in to the Oracle Database using the `sys` user:

Then, use the `ALTER USER` statement to unlock the user `alice`:

```
ALTER USER alice IDENTIFIED BY abcd1234 ACCOUNT UNLOCK;
```

Note that `abcd1234` is the new password that `alice` will be used to log in to the Oracle Database.

Now the user `alice` should be able to log in to the database with the new password.

In this lab, you have learned how to unlock a user in the Oracle Database by using the `ALTER USER ACCOUNT UNLOCK` statement.