

Interactive - 07 - add a check constraint on age

We can use the Data Definition Language (DDL) - create table to check that values are in a correct range or value.

These are check constraints.

Let's save our data for later, then recreate the table.

First we are going to rename the table - so we can save it for later.

```
DROP TABLE if exists old_name_list;  
ALTER TABLE name_list  
    RENAME TO old_name_list;
```

Now we will re-create the table with the check constraint.

```
create table name_list (  
    real_name text,  
    age int check ( age > 0 and age < 154 ),  
    state char varying (2)  
);
```

Now copy the data back.

```
insert into name_list ( real_name, age, state )  
    select real_name, age, state  
    from old_name_list;
```

Verify data amount. Check how many rows.

```
select count(1) from name_list;  
select count(1) from old_name_list;
```

Provided that the counts are the same let's clean up the temporary table with the old data.

```
drop table old_name_list;
```

And let's look at the data.

```
select * from name_list;
```

You should see 11 rows. The duplicate should be removed.

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Tags: “alter table rename”, “rename”, “insert”, “drop table”, “insert select”

Validate: “CountRows”, “{%22Nr%22%3A[11]}”