

## -- How To Remove Duplicates From A Table

-- Create a demo table

```
CREATE TABLE NameList (Name VARCHAR(50));
```

-- Put some data in the demo table

```
INSERT NameList (Name)
```

```
VALUES ('Peter'),  
       ('Mary'),  
       ('Josh'),  
       ('Peter'),  
       ('Amanda');
```

-- Option 1

-- Use ROW\_NUMBER() with PARTITION BY

```
DELETE dupes
```

```
FROM (SELECT ROW_NUMBER()  
      OVER (PARTITION BY Name ORDER BY Name) rownum  
      FROM NameList) dupes  
WHERE dupes.rownum > 1;
```

-- Validate duplicates have been removed

```
SELECT Name FROM NameList ORDER BY Name;
```

```
-- Option 2
-- Use SELECT DISTINCT INTO a new table

-- Put the duplicate back first
INSERT NameList (Name)
VALUES ('Peter');

SELECT DISTINCT Name
INTO NewTable
FROM NameList;

-- Validate duplicates have been removed
SELECT Name FROM NewTable ORDER BY Name;


-- Do some housekeeping
DROP TABLE NameList;
DROP TABLE NewTable;
```