## **Creating/Altering Tables**

## Nulls

- 'Null' means UNKNOWN → causes undefined behavior in some operations
- Null groups into its own group
- Ignored in all aggregate functions except COUNT(\*)
- NVL(exp1, exp2) = exp1 if exp1 is not null, else exp2

## **DML**

SELECT [DISTINCT] \_ FROM \_ [WHERE \_] [GROUP BY \_ [HAVING \_]] [ORDER BY \_]
Execution Order: FROM/WHERE/GROUP BY/HAVING/ORDER BY/SELECT
Aggregation Operators: COUNT(\*), COUNT(x), MIN(x), MAX(x), SUM(x), AVG(x)
Non-Aggregated columns in the SELECT clause must be in the GROUP BY clause
Renaming in the SELECT Clause: <colName or aggregation or expression> AS <newName>
Formatting Numbers: to char(<number>, 990.99)

String concatenation: 'string1' || 'string2'