

## SQL

## The JOIN family of operators

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```
Select A_1, A_2, ..., A_n
From R_1, R_2, ..., R_m \leftarrow
                            Explicit Join of tables
Where condition
                                   Ma = condition
     Inner Join On condition
     Natural Join
     Inner Join Using(attrs)
     Left | Right | Full Outer Join
```

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```
Select A_1, A_2, ..., A_n

From R_1, R_2, ..., R_m \leftarrow Explicit Join of tables where condition
```

Demo: simple college admissions database

```
College(cName, state, enrollment)
Student(sID, sName, GPA, sizeHS)
Apply(sID, cName, major, decision)
```