SQL

STRUCTURED QUERY LANGUAGE

LANGUAGE VS SYSTEM

ORACLE

MySQL®

Microsoft®
SQL Server®

PostgreSQL

RELATIONAL DATABASES

COLUMNS - TYPES OF DATA
ROWS - INDIVIDUAL ENTRIES

id	name	team_id
1	Kevin Durant	5
2	Doug Christie	4
3	Greg Ostertag	1
4	Stephen Curry	2
5	Karl Malone	1

PLAYERS

id	name
1	Jazz
2	Warriors
3	Bulls
4	Kings
5	Nets

TEAMS

RELATIONAL DATABASES

PRIMARY KEY   FOREIGN KEY

id	name	team_id
1	Kevin Durant	5
2	Doug Christie	4
3	Greg Ostertag	1
4	Stephen Curry	2
5	Karl Malone	1

id	name
1	Jazz
2	Warriors
3	Bulls
4	Kings
5	Nets

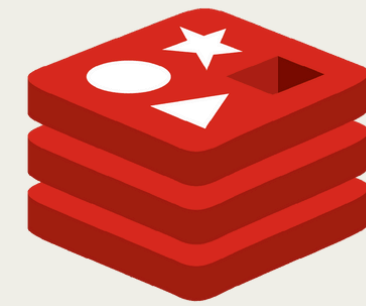PLAYERS   TEAMS

NON-RELATIONAL DATABASES

- NoSQL Databases

- Not a table

```json
{
  "id": 1,
  "displayName": "Stone",
  "name": "stone",
  "stackSize": 64
},
{
  "id": 2,
  "displayName": "Grass Block",
  "name": "grass",
  "stackSize": 64
},
```

ROLE OF SQL

- Create, Retrieve, Update, Delete

- Join data together

- Normalized - eliminate duplication