

SQL Queries

Note that these are only example queries. The attributes in the SELECT clauses and the conditions in the WHERE clauses may vary depending on the user's input.

Selection and Projection Queries

Location: players.php

```
SELECT lastName, firstName, position, number, height, weight, draftYear, team
FROM NBAPlayer_PlaysFor
WHERE height > 80
ORDER BY lastName;
```

Join Queries

Location: games.php

```
SELECT *
FROM NBAGame_Plays_PlayedAt NPP, NBAReferee NR, Referees R
WHERE NR.number = R.refNumber AND
      R.gameDate = NPP.gameDate AND
      R.homeTeam = NPP.homeTeam AND
      R.awayTeam = NPP.awayTeam
ORDER BY npp.gameDate
```

Division Query

Location: venues.php

```
SELECT *
FROM NBATeam_BelongsTo T
WHERE NOT EXISTS
  (SELECT V.venueName
   FROM Venue V
   WHERE NOT EXISTS
     (SELECT DISTINCT G.venueName
      FROM NBAGame_Plays_PlayedAt G
      WHERE V.venueName = G.venueName AND
            (G.homeTeam = T.abbreviation OR G.awayTeam = T.abbreviation)))
```

Aggregation Query

Location: stats.php

```
SELECT MAX(weight) as result
FROM NBAPlayer_PlaysFor
```

Nested Aggregation with Group-By Query

Location: stats.php

```
SELECT team, AVG(draftYear) as result
FROM NBAPlayer_PlaysFor
WHERE team IN
    (SELECT abbreviation
     FROM NBATeam_BelongsTo N, Sponsor_Endorses S
     WHERE N.abbreviation = S.team AND S.company = 'Mercedes Benz')
GROUP BY team
```

Delete Operation

Location: delete_team.php

```
DELETE FROM NBATeam_BelongsTo
WHERE abbreviation = 'TOR'
```

Location: delete_player.php

```
DELETE FROM NBAPlayer_PlaysFor
WHERE team = 'DAL' AND number = 41
```

Update Operation

Location: update.php

```
UPDATE NBAPlayer_PlaysFor
SET firstName = 'LeBron',
    lastName = 'James',
    team = 'MIA',
    number = 6,
    position = SF,
    weight = 250,
    height = 80,
    draftYear = 2003
WHERE team = 'CLE' AND number = 23;
```

Other Queries

There are miscellaneous queries that were used in the project that were not explicitly required.

Location: venues.php

```
INSERT INTO Venue
VALUES('Rogers Arena', 'Vancouver', '800 Griffiths Way')
```

Location: rosters.php

```
SELECT *
FROM NBAPlayer_PlaysFor
WHERE team = 'TOR';

SELECT *
FROM NBAStaff_WorksFor
WHERE team = 'TOR'
ORDER BY job DESC;

SELECT company
FROM NBATeam_BelongsTo N, Sponsor_Endorses S
WHERE N.abbreviation = S.team AND team = 'TOR';
```

Location: teams.php

```
SELECT city, abbreviation, teamName, divisionName
FROM NBATeam_BelongsTo
```

Location: update.php

```
SELECT firstName, lastName, number, team
FROM NBAPlayer_PlaysFor
ORDER BY firstName, lastName;
```

```
SELECT *
FROM NBATeam_BelongsTo;
```

```
SELECT *
FROM NBAPlayer_PlaysFor
WHERE number = 0 AND team = 'DAL';
```

```
SELECT *
FROM NBATeam_BelongsTo
WHERE abbreviation = 'DAL';
```

Location: forms/rosters_select.php

```
SELECT abbreviation, teamName, city
FROM NBATeam_BelongsTo
```

Location: forms/stats_team.php

```
SELECT DISTINCT company
FROM Sponsor_Endorses
```