

## CMSC 10200: Homework 7

due Tuesday, July 12, 5:00 PM

### Practice writing SQL SELECT queries.

For this assignment, you will write a handful of **SELECT** queries to get the feel of **SQL**. I have put together a small NBA database for this purpose. You can test your queries at

<http://polonium.cs.uchicago.edu:8180/adamshaw/DB/NBAQuery.jsp>

There is information about the structure of the data at the bottom of that page.

Write the following queries and test them interactively to convince yourself that they work. Collect the queries in a text file and submit them via **hwsubmit** as usual.

1. select all players over 7 feet tall
2. select all players born in April
3. select all players born before 1975
4. select all players who share your birthday
5. select all players whose first initial is R
6. select all centers for the Seattle Supersonics
7. select all players from colleges with fewer than 10,000 full time undergraduates
8. select all players in alphabetical order of college name
9. select all players who went to college in California
10. select all teams who have a player who went to college in Connecticut

**Querying dates.** You can use the **SQL** functions **DAYOFMONTH**, **MONTH** and **YEAR** for queries 2 through 4. They work as in the following example:

```
SELECT * FROM NBAPlayers WHERE (MONTH(DOB) <= 6);
```

**Strings.** You will need to use the **LIKE** operator for query 4. The following query selects all players whose last name starts with A:

```
SELECT * FROM NBAPlayers WHERE (LastName LIKE "A%");
```