SELECT COUNT(\*)

FROM allstarfull

--5148

SELECT COUNT(\*)

FROM appearances

--102761

SELECT COUNT(\*)

FROM awardsmanagers

--179

SELECT COUNT(\*)

FROM awardsplayers

--6158

SELECT COUNT(\*)

FROM awardssharemanagers

--425

--1.What range of years for baseball games played does the provided database cover?

-- A: 1871-2016

SELECT \*

FROM teams

SELECT MIN(yearid) as min\_year, MAX(yearid) as max\_year

FROM teams

--2 Find the name and height of the shortest player in the database. How many games did he play in? What is the name of the team for which he played?

--Edward Carl Gaedel, "43

SELECT \*

FROM people

SELECT namelast, namegiven, height

FROM people

WHERE height IN (select MIN(height)

FROM people);

-- 3. Find all players in the database who played at Vanderbilt University.

--Create a list showing each player’s first and last names as well as the total salary they earned in the major leagues.

--Sort this list in descending order by the total salary earned.

--Which Vanderbilt player earned the most money in the majors?

SELECT \*

FROM people

LIMIT 1;

SELECT \*

FROM schools

LIMIT 1;

SELECT \*

FROM collegeplaying

LIMIT 1;

SELECT \*

FROM salaries

LIMIT 1;

SELECT p.namegiven AS first, p.namelast AS last, s.schoolname AS college, sal.salary

FROM people AS p

INNER JOIN salaries AS sal

USING (playerid)

INNER JOIN collegeplaying AS c

USING(playerid)

INNER JOIN schools AS s

USING (schoolid)

WHERE schoolname iLIKE '%vanderbilt%'

ORDER BY salary DESC;

-- 9. From 1970 – 2016, what is the largest number of wins for a team that did not win the world series?

--What is the smallest number of wins for a team that did win the world series? Doing this will probably result in an unusually small number of wins for a world series champion – determine why this is the case.

--Then redo your query, excluding the problem year.

--How often from 1970 – 2016 was it the case that a team with the most wins also won the world series?

--What percentage of the time?

--largest # wins that did not win WS (SEA- 1998)

SELECT yearid, teamid, w, wswin

FROM teams

WHERE yearid > 1970

AND yearid < 2016

AND wswin = 'N'

ORDER BY w DESC;

--smallest # wins that did win WS (LAN-1981)

SELECT yearid, teamid, w, wswin

FROM teams

WHERE yearid > 1970

AND yearid < 2016

AND wswin = 'Y'

ORDER BY w;

----How often from 1970 – 2016 was it the case that a team with the most wins also won the world series?

--What percentage of the time?

(SELECT yearid, MAX(w) AS max\_wins

FROM teams

WHERE yearid > 1970

AND yearid < 2016

AND yearid <> 1981

GROUP BY yearid

ORDER BY yearid)

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WITH mw AS (SELECT yearid, MAX(w) AS max\_wins

FROM teams

WHERE yearid > 1970

AND yearid < 2016

AND yearid <> 1981

GROUP BY yearid

ORDER BY yearid)

SELECT mw.yearid, tm.teamid, mw.max\_wins, tm.wswin

FROM teams AS tm INNER JOIN mw

USING (yearid)

GROUP BY mw.yearid, tm.teamid;