Baseball Queries

1. For each baseball player, show their batting average, calculated as Hits, Doubles, Triples and HR /AtBats. Display "Batting Average" as the column header.

**SELECT**

playerID,

(`H` + 2 \* `2B` + 3 \* `3B` + 4 \* `HR`) / `AB` **AS** `Batting Average`

**FROM**

activity4.batters;

1. Among all baseball players, what is the maximum and average number of AtBats.

**select**

max('AB') as 'Max Bats',

avg('AB') as 'Average Bats'

**From**

activity4.batters;

1. Show the top ten players ranked by Homers (that is, the Name and Homers of the players having the most homers)

**SELECT**

playerID,

Name,

H **AS** Homers

**FROM**

activity4.batters

**ORDER BY**

H **DESC**

**LIMIT** 10;

1. Display Team description and win proportion (Pct) for each team ordered by league with highest Pct displayed first

**SELECT**

Name,

Team,

HR **AS** Pct

**FROM**

activity4.batters

**order by**

Team, Pct DESC;

Sakila Queries

1. Which customers have the last name SMITH?

Only 1 customer has the last name as Smith.

1. How many customers' last names begin with the letter B?

55

1. What is the average length of films in the film table?

115.2720

1. What are the possible rental rates of films in the film table? List each rate only once.

|  |
| --- |
| 0.99 |
| 4.99 |
| 2.99 |

1. Add a new actor to the actor table whose name is the same as yours.

INSERT INTO actor (actor\_id, first\_name, last\_name,last\_update)

values ('201','Jose','Fuentes','2024-02-06');

1. Change the last name to Jones for all actors whose first name begins with the letter O.

select \*from actor;

Select count(\*)

from actor

where last\_name like 'O%';

update actor

set last\_name = 'Jones'

where last\_name like 'O%';

Select count(\*)

from actor

where last\_name like 'Jones%';

1. Actor 3 (Ed Chase) had a role in film 43 (Atlantis Cause) that somehow never made it into the actor-film table.  Fix that.

select \* from actor

where first\_name like 'Ed%'

and last\_name like 'Chase%';

select \* from film

where title like 'Atlantis Cause%';

INSERT INTO film\_actor (actor\_id, film\_id)

VALUES (3, 43);

1. For each film in the film table, show its title, rental\_rate, and a column called "Appropriate for." The "Appropriate for" column should say "Children" if the rating is P or PG, "Teens" if its says PG-13, and "Adults" otherwise.

select

title,

rental\_rate,

Case

when rating in('G','PG') Then 'children'

when rating = 'pg-13' then 'teens'

else 'adults'

End as "Appropriate for"

From

film;

1. It turns out that Customer #1 never paid for Rental #76. So, delete the payment whose id is #1.

select\*from payment;

delete from payment

where payment\_id = 1;

select\*from payment;