Jia fei Lin - 500782008

LoL Esports Database

Players Table:

Champions Table:

Designers Table: There are only 6 designers that exist currently.

```
CREATE TABLE designers(
designerID INTEGER PRIMARY KEY AUTOINCREMENT NOT NULL,
name VARCHAR(255) NOT NULL);
INSERT INTO designers VALUES(1, 'Steve Feak');
INSERT INTO designers VALUES(2, 'Tom Cadwell');
INSERT INTO designers VALUES(3, 'Mark Yetter');
INSERT INTO designers VALUES(4, 'Christina Norman');
INSERT INTO designers VALUES(5, 'David Capurro');
INSERT INTO designers VALUES(6, 'Rob Garrett');
```

Teams Table:

COE848 Lab4 Report

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LoL Esports Database

Tournaments Table:

```
CREATE TABLE tournaments(
tournamentID INTEGER PRIMARY KEY AUTOINCREMENT NOT NULL,
splitname VARCHAR(255) NOT NULL,
region VARCHAR(255),
prizepool DOUBLE PRECISION,
numberofgames INTEGER);
INSERT INTO tournaments VALUES(1,'LEC Spring 2021','EUW',200000.0,90);
INSERT INTO tournaments VALUES(2,'LPL Spring 2021','CN',650000.0,249);
INSERT INTO tournaments VALUES(3,'VCS Spring 2021','VN',500000.0,94);
INSERT INTO tournaments VALUES(4,'LCK Spring 2021','VN',50000.0,94);
INSERT INTO tournaments VALUES(4,'LCK Spring 2021','KR',225000.0,177);
INSERT INTO tournaments VALUES(5,'TCL Spring 2021','TR',20000.0,80);
INSERT INTO tournaments VALUES(6,'LCS Spring 2021','NA',200000.0,80);
INSERT INTO tournaments VALUES(6,'LC Spring 2021','NA',200000.0,80);
INSERT INTO tournaments VALUES(8,'PCS Spring 2021','CIS',68000.00000000000001,40);
INSERT INTO tournaments VALUES(8,'PCS Spring 2021','PCS',125000.0,72);
INSERT INTO tournaments VALUES(9,'LJL Spring 2021','PCS',125000.0,72);
INSERT INTO tournaments VALUES(9,'LJL Spring 2021','PF,',20000.0,90);
DELETE FROM sqlite_sequence;
INSERT INTO sqlite_sequence VALUES('players',10);
INSERT INTO sqlite_sequence VALUES('champions',10);
INSERT INTO sqlite_sequence VALUES('champions',10);
INSERT INTO sqlite_sequence VALUES('designers',6);
INSERT INTO sqlite_sequence VALUES('teams',10);
INSERT INTO sqlite_sequence VALUES('teams',10);
INSERT INTO sqlite_sequence VALUES('tournaments',10);
INSERT INTO sqlite_sequence VALUES('tournaments',10);
INSERT INTO sqlite_sequence VALUES('tournaments',10);
```

Queries:

1. Which player has a KDA greater than 4?

SELECT * FROM Players

WHERE avgKDA > 4

2. What position has the highest CS per minute (CSM)

SELECT position FROM Players

WHERE MAX(AvgCSM) As MaxCSM FROM Players

3. How many junglers are there with over 50% KP?

SELECT COUNT(name) AS 50KPJG FROM Players

WHERE (position = 'Jungler' AND kp > 50)

4. What champion has the highest pick rate?

SELECT name FROM Champions

WHERE MAX(pickrate) As MaxPR

COE848 Lab4 Report

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5. What champion has the highest ban rate?

SELECT name FROM Champions

WHERE MAX(banrate) As MaxBR

6. Which teams have over 2 average dragons per game (DPG)?

SELECT name FROM Teams

WHERE avgDPG > 2

7. Which region has the shortest games?

SELECT region FROM Teams

WHERE MIN(avgGD) AS minGD

8. Change the name of T1 to SKT T1

UPDATE Teams SET name = 'SKT T1'

WHERE name = 'T1'

9. What tournament as the highest prize pool?

SELECT splitname FROM Tournaments

WHERE MAX(prizepool) AS MAXPP

10. How many tournaments were held in the KR region?

SELECT Count(name) as numKRTourneys FROM Tournaments

WHERE region = 'KR'