Rocket League Tables

```
CREATE TABLE RL_Game (
id INT AUTO_INCREMENT PRIMARY KEY,
game_id VARCHAR(36),
school VARCHAR(255),
player_name VARCHAR(255),
score INT,
goals INT,
assists INT,
saves INT,
shots INT,
team_score INT,
did_win BOOLEAN,
opponent VARCHAR(255),
opponent_score INT,
game_number INT,
week_number INT);

CREATE TABLE RL_Week (
id INT AUTO_INCREMENT PRIMARY KEY,
week_number int,
school varchar(255),
player_name varchar(255),
week_score_avg int,
week_goals_avg int,
week_assists_avg int,
week_saves_avg int,
week_shots_avg int,
team_score int,
did_win BOOLEAN,
opponent VARCHAR(255),
opponent_score INT);

CREATE TABLE RL_Season (
id INT AUTO_INCREMENT PRIMARY KEY,
season_number int,
school varchar(255),
```

```
player_name varchar(255),
season_score_avg int,
season_goals_avg int,
season_assists_avg int,
season_saves_avg int,
season_shots_avg int,
season_wins_total int,
season_losses_total int);
```

Rocket League Dummy Data

-- Game 1: Colorado College vs. Stanford
INSERT INTO RL_Game
(game_id, school, player_name, score, goals, assists, saves, shots, team_score, did_win,
opponent, opponent_score, game_number, week_number)
VALUES
('550e8400-e29b-41d4-a716-446655440010', 'Colorado College', 'Jimmy Andrews', 400, 2, 1, 3,
5, 5, TRUE, 'Stanford', 3, 1, 1),
('550e8400-e29b-41d4-a716-446655440010', 'Colorado College', 'Alex Smith', 300, 1, 2, 1, 4, 5,
TRUE, 'Stanford', 3, 1, 1),
('550e8400-e29b-41d4-a716-446655440010', 'Colorado College', 'Jordan Lee', 200, 0, 1, 1, 3, 5,
TRUE, 'Stanford', 3, 1, 1),
('550e8400-e29b-41d4-a716-446655440010', 'Stanford', 'Chris Taylor', 350, 2, 1, 2, 4, 3, FALSE,
'Colorado College', 5, 1, 1),
('550e8400-e29b-41d4-a716-446655440010', 'Stanford', 'Pat Green', 250, 1, 1, 3, 3, 3, FALSE,
'Colorado College', 5, 1, 1),
('550e8400-e29b-41d4-a716-446655440010', 'Stanford', 'Jamie White', 200, 0, 1, 2, 2, 3,
FALSE, 'Colorado College', 5, 1, 1);

-- Game 2: Colorado College vs. Stanford
INSERT INTO RL_Game
(game_id, school, player_name, score, goals, assists, saves, shots, team_score, did_win,
opponent, opponent_score, game_number, week_number)
VALUES
('550e8400-e29b-41d4-a716-446655440021', 'Colorado College', 'Jimmy Andrews', 300, 1, 1, 2,
4, 2, TRUE, 'Stanford', 3, 2, 1),
('550e8400-e29b-41d4-a716-446655440021', 'Colorado College', 'Alex Smith', 200, 0, 1, 1, 3, 2,
TRUE, 'Stanford', 3, 2, 1),
('550e8400-e29b-41d4-a716-446655440021', 'Colorado College', 'Taylor Brown', 150, 1, 0, 0, 2,
2, TRUE, 'Stanford', 3, 2, 1),
```

```
('550e8400-e29b-41d4-a716-446655440021', 'Stanford', 'Chris Taylor', 400, 2, 2, 1, 5, 3, FALSE,
'Colorado College', 2, 2, 1),
('550e8400-e29b-41d4-a716-446655440021', 'Stanford', 'Pat Green', 300, 1, 1, 2, 3, 3, FALSE,
'Colorado College', 2, 2, 1),
('550e8400-e29b-41d4-a716-446655440021', 'Stanford', 'Jamie White', 250, 0, 2, 3, 2, 3,
FALSE, 'Colorado College', 2, 2, 1);

SELECT * from rocket_league_game;
```

-- fetch matches
```
SELECT school, opponent, did_win, team_score, opponent_score FROM rocket_league_game
WHERE week_number = 1 GROUP BY game_id ORDER BY game_number;
```

-- fetch player_stats
```
SELECT school, player_name, score, goals, assists, saves, shots FROM rocket_league_game
WHERE week_number = 1 ORDER BY game_number;
```

OUTPUT:

Matches =
```
Colorado College|Stanford|1|5|3
Colorado College|Stanford|0|2|3
```

```
Player_stats =
Colorado College|Jimmy Andrews|400|2|1|3|5
Colorado College|Alex Smith|300|1|2|1|4
Colorado College|Jordan Lee|200|0|1|1|3
Stanford|Chris Taylor|350|2|1|2|4
Stanford|Pat Green|250|1|1|3|3
Stanford|Jamie White|200|0|1|2|2
```

```
Colorado College|Jimmy Andrews|300|1|1|2|4
Colorado College|Alex Smith|200|0|1|1|3
Colorado College|Taylor Brown|150|1|0|0|2
Stanford|Sam Lee|400|2|2|1|5
Stanford|Jordan Gray|300|1|1|2|3
Stanford|Chris Black|250|0|2|3|2
```

Json File Format - RL

```
{
  "match": {
    "school": "Colorado College",
```

      "opponent": "Trinity University",
      "didWin": true,
      "teamScore": 5,
      "opponentScore": 3
    },
    "teamStats": [
      {
        "school": "Colorado College",
        "playerName": "Sir James",
        "score": 780,
        "goals": 3,
        "assists": 2,
        "saves": 4,
        "shots": 7
      },
      {
        "school": "Colorado College",
        "playerName": "Penguin",
        "score": 620,
        "goals": 1,
        "assists": 1,
        "saves": 3,
        "shots": 5
      },
      {
        "school": "Colorado College",
        "player_name": "Pineapple",
        "score": 540,
        "goals": 1,
        "assists": 0,
        "saves": 2,
        "shots": 4
      }
    ],
    "opponentStats": [
      {
        "school": "Trinity University",
        "playerName": "GiraffeMan",
        "score": 700,
        "goals": 2,
        "assists": 1,
        "saves": 2,
        "shots": 6
      },

```
    {
      "school": "Trinity University",
      "playerName": "Dog lover",
      "score": 500,
      "goals": 1,
      "assists": 0,
      "saves": 3,
      "shots": 5
    },
    {
      "school": "Trinity University",
      "playerName": "Cpt. Morgan",
      "score": 450,
      "goals": 0,
      "assists": 2,
      "saves": 1,
      "shots": 3
    }
  ]
}
```

Valorant Tables

```
CREATE TABLE Val_Game (
game_id VARCHAR(36),
school VARCHAR(255),
player_name VARCHAR(255),
combat_score INT,
kills INT,
deaths INT,
assists INT,
econ INT,
fb INT,
plants INT,
defuses INT,
agent VARCHAR(255),
map VARCHAR(255),
team_score INT,
did_win BOOLEAN,
opponent_score INT,
```

```
opponent VARCHAR(255),
game_number INT,
week_number INT,
PRIMARY KEY (game_id, player_name) );

CREATE TABLE Val_Week (
week_number int(255),
school varchar(255),
player_name varchar(255),
week_cs_avg int(255),
week_kills_avg int(255),
week_deaths_avg int(255),
week_assists_avg int(255),
week_econ_avg int(255),
week_fb_avg int(255),
week_plants_avg int(255),
week_defuses_avg int(255),
team_score int(255),
did_win boolean,
opponent_score int(255),
opponent varchar(255),
PRIMARY KEY(week_number, player_name) );

CREATE TABLE Val_Season (
season_number int(255),
school varchar(255),
player_name varchar(255),
season_cs_avg int(255),
season_kills_avg int(255),
season_deaths_avg int(255),
season_assists_avg int(255),
season_econ_avg int(255),
season_fb_avg int(255),
season_plants_avg int(255),
season_defuses_avg int(255),
team_wins int(255),
team_losses int(255),
season_wins_total int(255),
season_losses int(255),
PRIMARY KEY(season_number, player_name) );
```

Valorant_Agents (
game_id VARCHAR(36),
player_name VARCHAR(255),
astra boolean VARCHAR(255),
breach boolean VARCHAR(255),
brimstone boolean VARCHAR(255),
chamber boolean VARCHAR(255),
clove boolean VARCHAR(255),
cypher boolean VARCHAR(255),
deadlock boolean VARCHAR(255),
fade boolean VARCHAR(255),
gekko boolean VARCHAR(255),
harbor boolean VARCHAR(255),
iso boolean VARCHAR(255),
jett boolean VARCHAR(255),
killjoy boolean VARCHAR(255),
kayo boolean VARCHAR(255),
neon boolean VARCHAR(255),
omen boolean VARCHAR(255),
phoenix boolean VARCHAR(255),
raze boolean VARCHAR(255),
reyna boolean VARCHAR(255),
sage boolean VARCHAR(255),
skye boolean VARCHAR(255),
sova boolean VARCHAR(255),
tejo boolean VARCHAR(255),
viper boolean VARCHAR(255),
vyse boolean VARCHAR(255),
yoru boolean VARCHAR(255),
PRIMARY KEY(game_id, player_name));

Apex Tables

CREATE TABLE Apex_Game (
game_id VARCHAR(36),
school VARCHAR(255),
player_name VARCHAR(255),
kills INT,
assists INT,

```
knocks INT,
damage INT,
score INT,
placement INT,
game_number INT,
week_number INT,
PRIMARY KEY (game_id, player_name) );


CREATE TABLE Apex_Week (
week_number int(255),
school varchar(255),
player_name varchar(255),
week_kills_avg double(40,4),
week_assists_avg double(40,4),
week_knocks_avg double(40,4),
week_damage_avg double(40,4),
week_kills int(255),
week_assists int(255),
week_knocks int(255),
week_damage int(255),
week_score int(255),
week_placements_1 int(255),
week_placements_2 int(255),
week_placements_3 int(255),
week_placements_4 int(255),
week_placements_5 int(255),
week_placements_6_7 int(255),
week_placements_8_10 int(255),
week_placements_11_15 int(255)
PRIMARY KEY(week_number, player_name));

CREATE TABLE Apex_Season (
season_number int(255),
school varchar(255),
player_name varchar(255),
season_kills_avg double(40,4),
season_assists_avg double(40,4),
season_knocks_avg double(40,4),
season_damage_avg double(40,4),
total_kills int(255),
```

```
total_assists int(255),
total_knocks int(255),
total_damage int(255),
total_score int(255),
total_placements_1 int(255),
total_placements_2 int(255),
total_placements_3 int(255),
total_placements_4 int(255),
total_placements_5 int(255),
total_placements_6_7 int(255),
total_placements_8_10 int(255),
PRIMARY KEY(season_number, season_number) );
```

Dummy Data

```
INSERT INTO Apex_Game
VALUES
(0, 'Colorado College', 'Hotwing', 4, 2, 1, 2000, 7, 1,1,1),
(0, 'Colorado College', 'Coldwing', 2, 2, 2, 1000, 7, 1,1,1),
(0, 'Colorado College', 'Leftwing', 0, 0, 0, 500, 7, 1,1,1),
(1, 'Colorado College', 'Hotwing', 0, 2, 1, 400, 2, 3,2,1),
(1, 'Colorado College', 'Coldwing', 4, 2, 1, 2000, 2,3,2,1),
(1, 'Colorado College', 'Leftwing', 4, 2, 1, 2000, 2,3,2,1),
(2, 'Colorado College', 'Hotwing', 4, 2, 1, 2500, 8, 1,3,1),
(2, 'Colorado College', 'Coldwing', 4, 2, 1, 1500, 8, 1,3,1),
(2, 'Colorado College', 'Leftwing', 4, 2, 1, 2000, 8, 1,3,1);
```

Additional Databases

```
CREATE TABLE Users (
username VARCHAR(255) PRIMARY KEY,
password VARCHAR(255),
is_admin BOOLEAN,
);

CREATE TABLE Players (
player_name VARCHAR(255) PRIMARY KEY,
school VARCHAR(255) );
```

SQL Queries for AVGS

Rocket League

//gets everything except for week_number, did_win, and opponent score
INSERT INTO RL_Week(week_number, school, player_name, opponent, week_score_avg, week_goals_avg, week_assists_avg, week_saves_avg, week_shots_avg, team_score)
SELECT week_number, school, player_name, opponent, AVG(score), AVG(goals), AVG(assists), AVG(saves), AVG(shots), SUM(did_win)
FROM RL_Game
WHERE player_name='Jimmy Andrews' and week_number=1;

//Gets everything except season number and season_losses and season wins
INSERT INTO RL_Season(school, player_name, season_score_avg, season_goals_avg, season_assists_avg, season_saves_avg, season_shots_avg)
SELECT school, player_name, AVG(score), AVG(goals), AVG(assists), AVG(saves), AVG(shots)
FROM RL_Game
WHERE player_name='Jimmy Andrews';

//Gets everything but placements and week_number
INSERT INTO Apex_Week(school, player_name, week_kills_avg, week_assists_avg, week_knocks_avg, week_damage_avg, week_kills, week_assists, week_knocks, week_damage, week_score)
SELECT school, player_name, AVG(kills), AVG(assists), AVG(knocks), AVG(damage), SUM(kills), SUM(assists), SUM(knocks), SUM(damage), SUM(score)
FROM Apex_Game
WHERE player_name='Hotwing' and week_number=1

//gets everything but season number and placements
INSERT INTO Apex_Season(school, player_name, season_kills_avg, season_assists_avg, season_knocks_avg, season_damage_avg, total_kills, total_assists, total_knocks, total_damage, total_score)
SELECT school, player_name, AVG(kills), AVG(assists), AVG(knocks), AVG(damage), SUM(kills), SUM(assists), SUM(knocks), SUM(damage), SUM(score)
FROM Apex_Game
WHERE player_name='Hotwing'

HOW TO USE VM IF ALREADY SSH IS IN THE RIGHT KEY

ssh -i ~/.ssh/AFK_key.pem afkuser@40.85.147.30

python3 -m venv ~/.venv/base

source ~/.venv/base/bin/activate

CD into the file, run the fly file

python3 __init__.py

HOW TO MAKE GIT CHANGES

Make a new terminal. Push changes through local git. Then you need to pull it from VM and rerun the python file.