1. **Create a table named ‘matches’ with appropriate data types for columns.**

CREATE TABLE matches(

id INT PRIMARY KEY,

city VARCHAR(40),

date DATE,

player\_of\_match VARCHAR(40),

venue VARCHAR(80),

neutral\_Venue INT,

team1 VARCHAR(80),

team2 VARCHAR(80),

toss\_winner VARCHAR(80),

toss\_decision VARCHAR(20),

winner VARCHAR(80),

result VARCHAR(40),

result\_margin INT,

eliminator VARCHAR(10),

method VARCHAR(10),

umpire1 VARCHAR(40),

umpire2 VARCHAR(40)

);

1. **Create a table named ‘deliveries’ with appropriate data types for columns.**

CREATE TABLE deliveries (

id INT,

inning INT,

over INT,

ball INT,

batsman VARCHAR(40),

non\_striker VARCHAR(40),

bowler VARCHAR(40),

batsman\_runs INT,

extra\_runs INT,

total\_runs INT,

is\_wicket INT,

dismissal\_kind VARCHAR(40),

player\_dismissed VARCHAR(40),

fielder VARCHAR(100),

extras\_type VARCHAR(40),

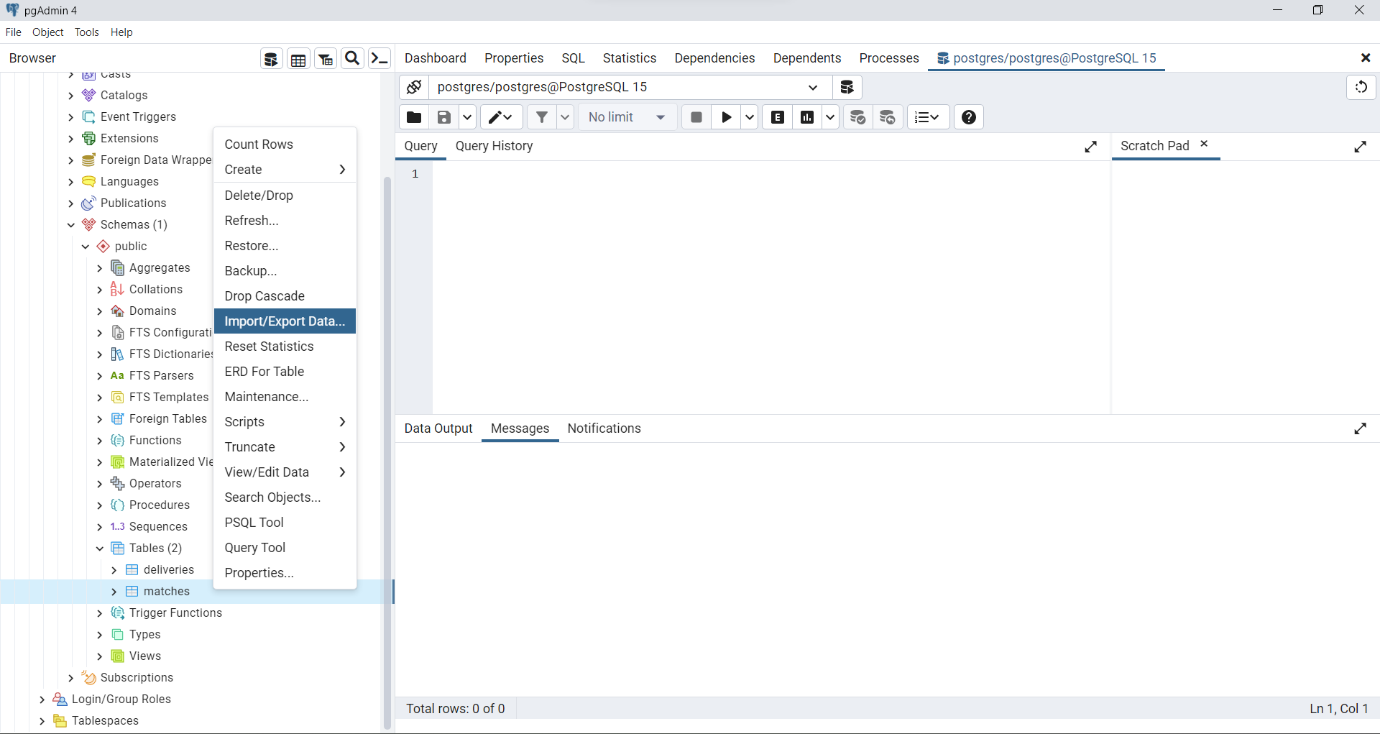
batting\_team VARCHAR(40),

bowling\_team VARCHAR(40),

FOREIGN KEY(id) REFERENCES matches(id)

);

1. **Import data from CSV file ’IPL\_matches.csv’ attached in resources to ‘matches’**



A screenshot of a computer

Description automatically generated

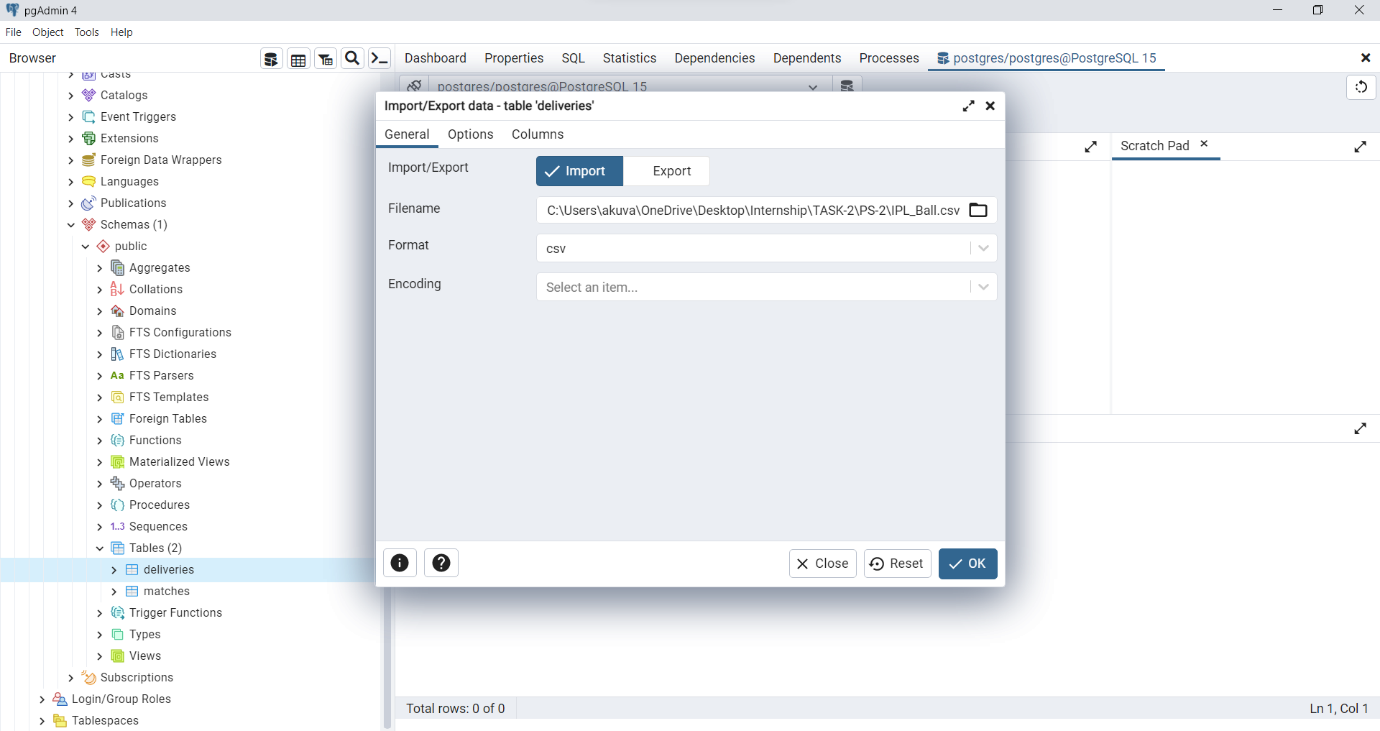
A screenshot of a computer

Description automatically generated with medium confidence

1. **Import data from CSV file ’IPL\_Ball.csv’ attached in resources to ‘deliveries’**

A screenshot of a computer

Description automatically generated



A screenshot of a computer

Description automatically generated with medium confidence

1. **Select the top 20 rows of the deliveries table.**

select \*from deliveries LIMIT 20;

1. **Select the top 20 rows of the matches table.**

select \*from matches LIMIT 20;

1. **Fetch data of all the matches played on 2nd May 2013.**

select \* from matches where date='02-05-2013';

1. **Fetch data of all the matches where the margin of victory is more than 100 runs.**

select \*from matches where result\_margin>100;

1. **Fetch data of all the matches where the final scores of both teams tied and order it in descending order of the date.**

select \*from matches where result='tie' order by date DESC;

1. **Get the count of cities that have hosted an IPL match.**

select count(distinct city)from matches;