Name - Mrudula Sankpal

Emp ID - 2000147764

Coding Challenge- PetPals - The Pet Adoption Platform

Database and Table Creation: (1 to 4)

show databases;

create database petpals;

use petpals;

create table Pets(

PetID INT PRIMARY KEY ,

Name VARCHAR(100) NOT NULL,

Age INT,

Breed VARCHAR(100),

Type VARCHAR(100),

AvailableforAdoption BIT NOT NULL);

create table Shelters(

ShelterID INT PRIMARY KEY,

Name VARCHAR(100),

Location VARCHAR(255));

create table Donations(

```sql
DonationID INT PRIMARY KEY,

DonorName VARCHAR(100),

DonationType VARCHAR(100),

DonationAmount VARCHAR(100),

DonationItem VARCHAR(100),

DonationDate DATETIME);


create table AdoptionEvents(

EventID INT PRIMARY KEY,

EventName VARCHAR(100) NOT NULL,

EventDate DATETIME,

Location VARCHAR(255));


create table Participants(

ParticipantID INT PRIMARY KEY,

ParticipantName VARCHAR(100),

ParticipantType VARCHAR(100),

EventID INT,

FOREIGN KEY(EventID)references AdoptionEvents(EventID));


insert into Pets Values(1 , "Ruby" , 10 , "Lab" , "Dog", 1) ,

(2 , "Rusty" , 13 , "Abc" ,"Cat" , 0),

(3 , "Tiger" , 5 , "Xyz" , "Dog", 1),

(4 , "Tommy" , 7 , "Abc" , "Dog" , 1),
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(5 , "Ralf" , 4 , "Xyz" ,"Cat" , 0);

insert into Shelters values(101 , "The Pets Room" , "Pune"),

(102 , "Pets" , "Mumbai"),

(103 , "Tiny Toes" , "Navi Mumbai");

insert into Donations values(1001 , "Mrudula" , "Cash" , "100000" , "Toys" , '2025-01-20 17:20:30'),

(1002 , "Tanishka" , "Online" , "50000" , "Food" , '2025-02-15 05:30:40'),

(1003 , "Rahul" , "Cash" , "25000" , NULL , '2025-03-07 04:00:00');

insert into AdoptionEvents values(501 , "The pets Show" , '2025-01-15 15:00:00' , "Pune"),

(502 , "Pets! Pets! Pets!" , '2025-03-30 11:00:00' , "Mumbai"),

(503 , "ABC events" , '2025-02-17 13:00:00' , "Pune");

insert into Participants values(601 , "Mrudula" , "F" , 501),

(602 , "Rohit" , "M" , 502),

(603 , "Ram" , "M" , 502),

(604 , "Tanu" , "F" , 503),

(605 , "Riza" , "F" , 501);

5) Query:

Select Name , Age , Breed ,Type from Pets where AvailableforAdoption=1;

Output:

6) Query:

 Select ParticipantName , ParticipantType from Participants where EventID=502;

Output:

7) Query:

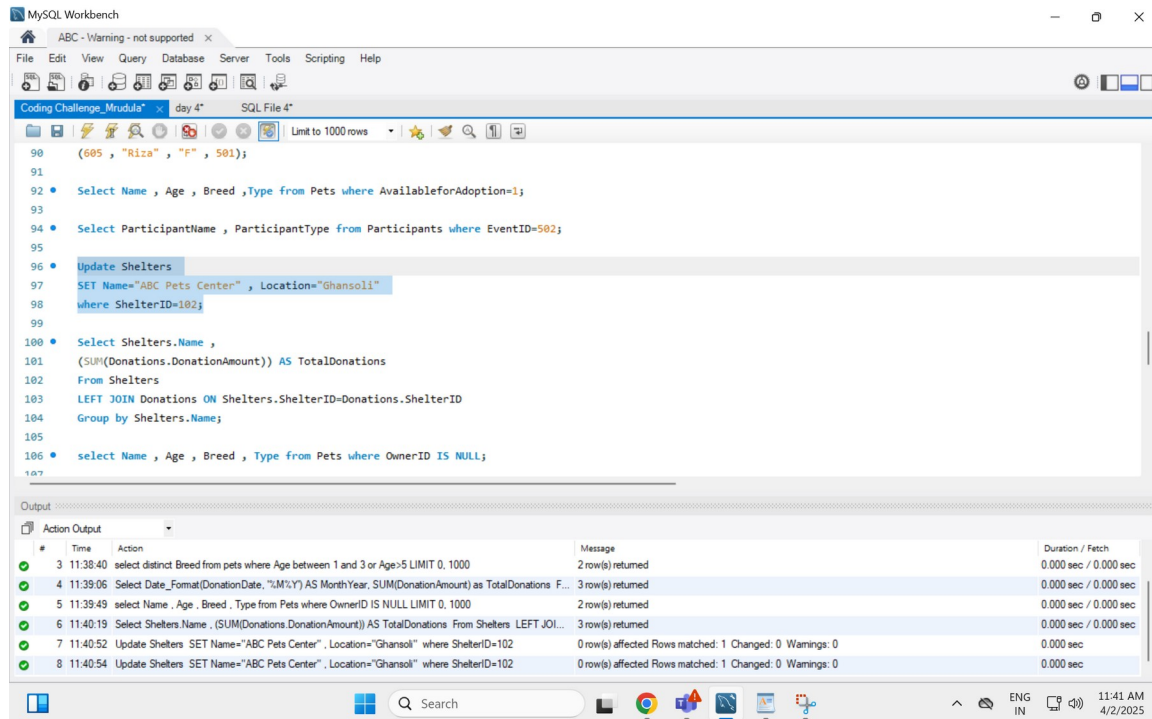 Update Shelters

SET Name="ABC Pets Center" , Location="Ghansoli"

where ShelterID=102;

Output:

8) Query:

Select Shelters.Name ,

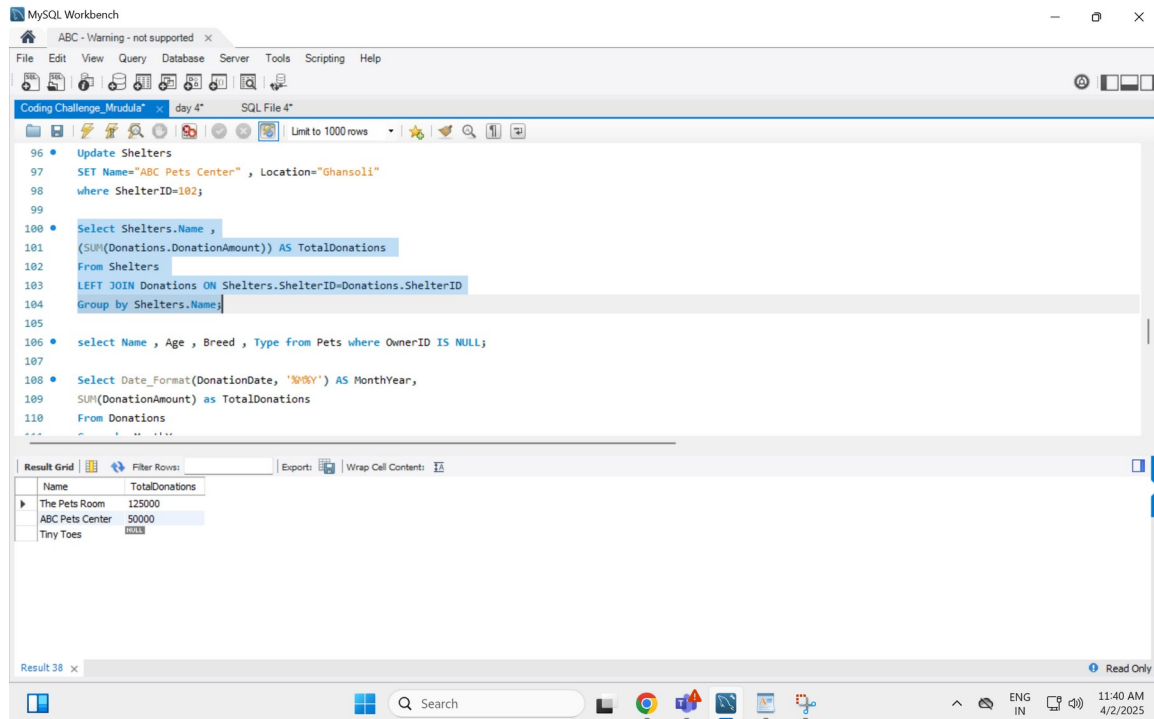(SUM(Donations.DonationAmount)) AS TotalDonations

From Shelters

LEFT JOIN Donations ON Shelters.ShelterID=Donations.ShelterID
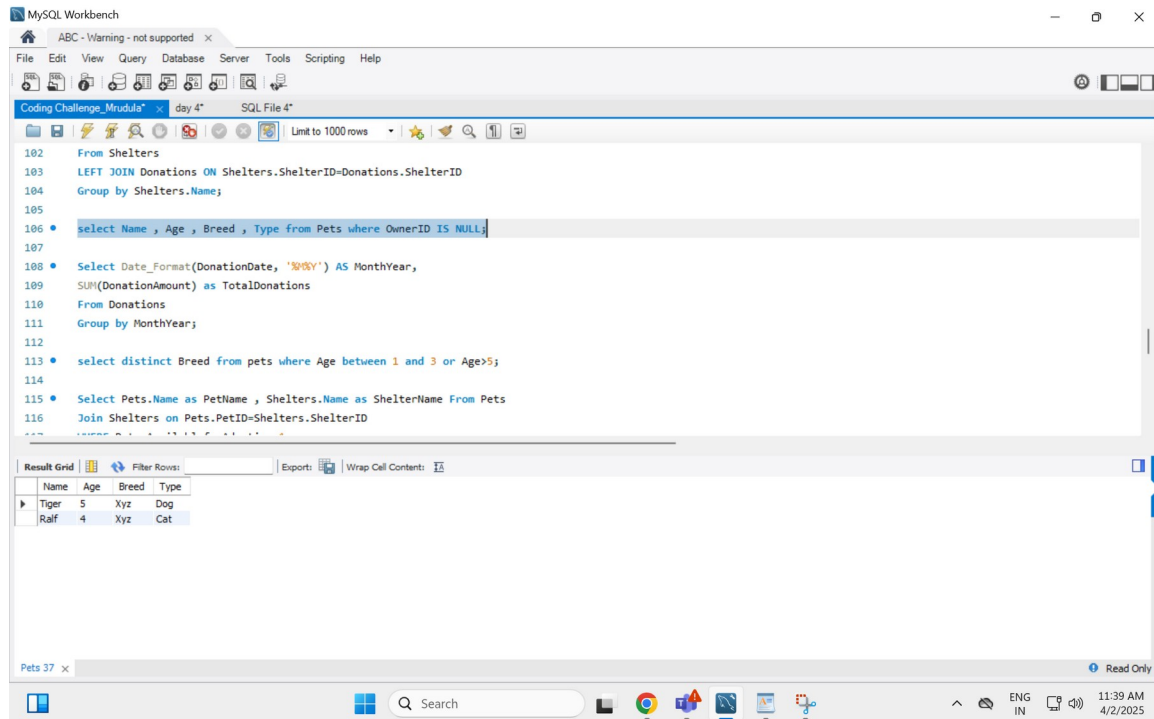
Group by Shelters.Name;

Output:

9) Query:

select Name , Age , Breed , Type from Pets where OwnerID IS NULL;

Output:

10) Query:

Select Date_Format(DonationDate, '%M%Y') AS MonthYear,

SUM(DonationAmount) as TotalDonations

From Donations

Group by MonthYear;

Output:

11) Query:

select distinct Breed from pets where Age between 1 and 3 or Age>5;

Output:
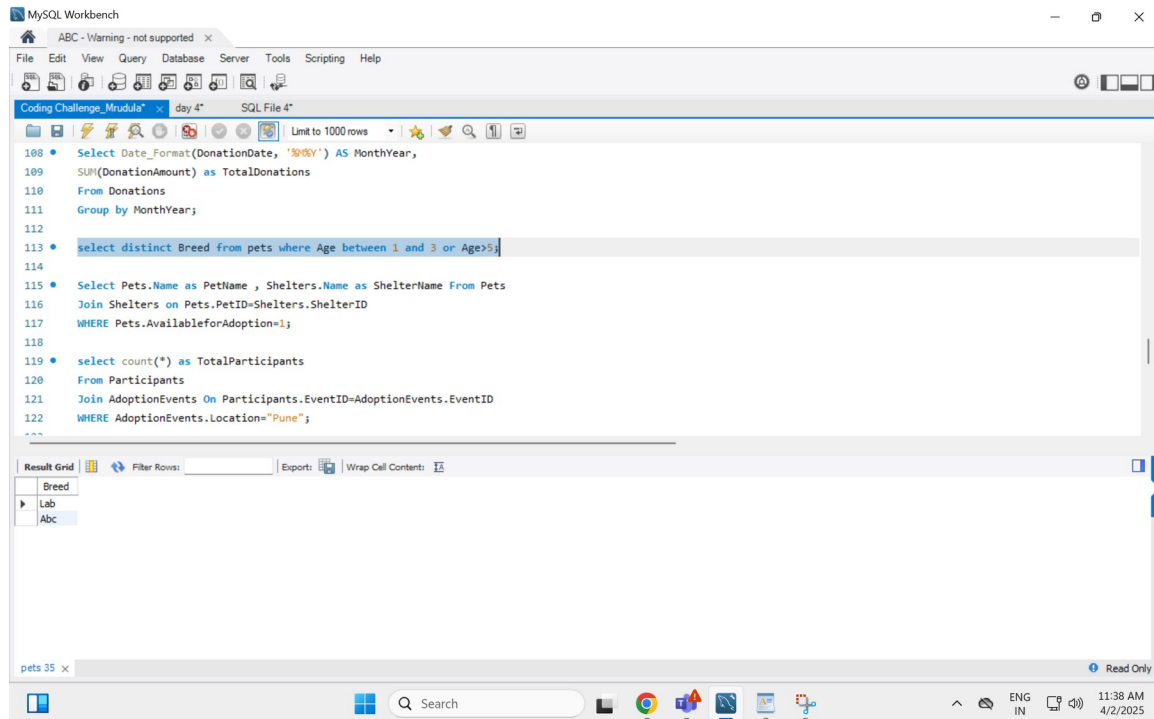
12) Query:

Select Pets.Name as PetName , Shelters.Name as ShelterName From Pets

Join Shelters on Pets.AvailableforAdoption=1;
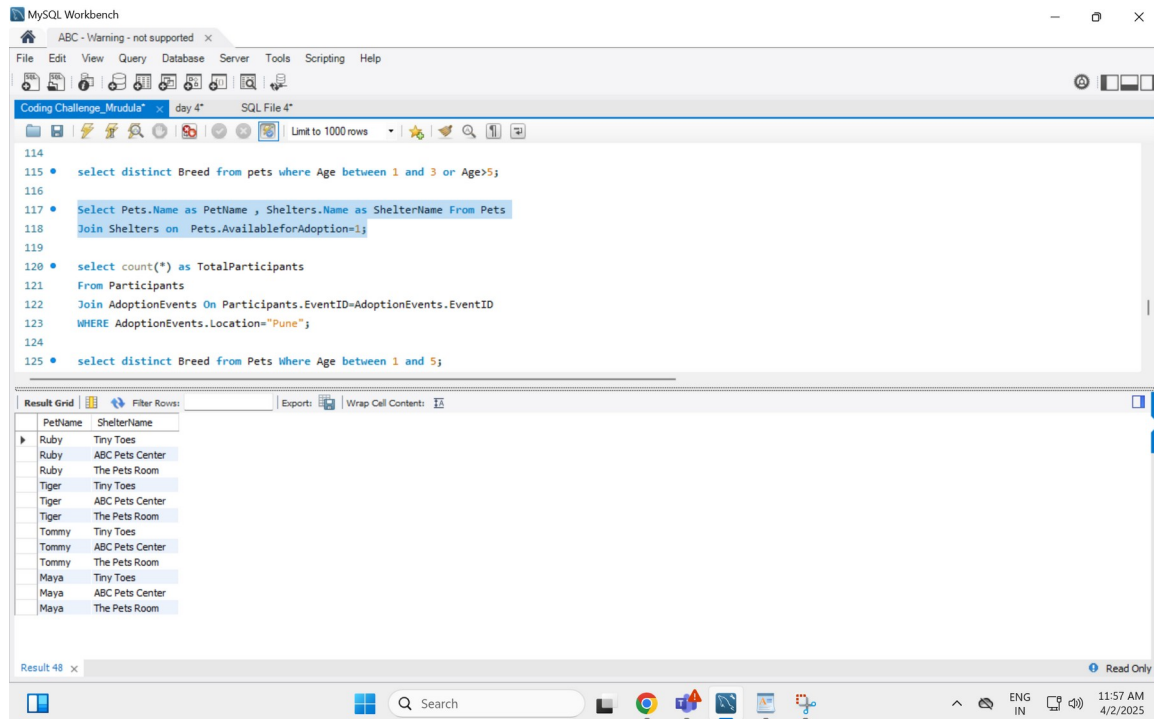
Output:

13) Query:

select count(*) as TotalParticipants

From Participants

Join AdoptionEvents On Participants.EventID=AdoptionEvents.EventID

WHERE AdoptionEvents.Location="Pune";

Output:
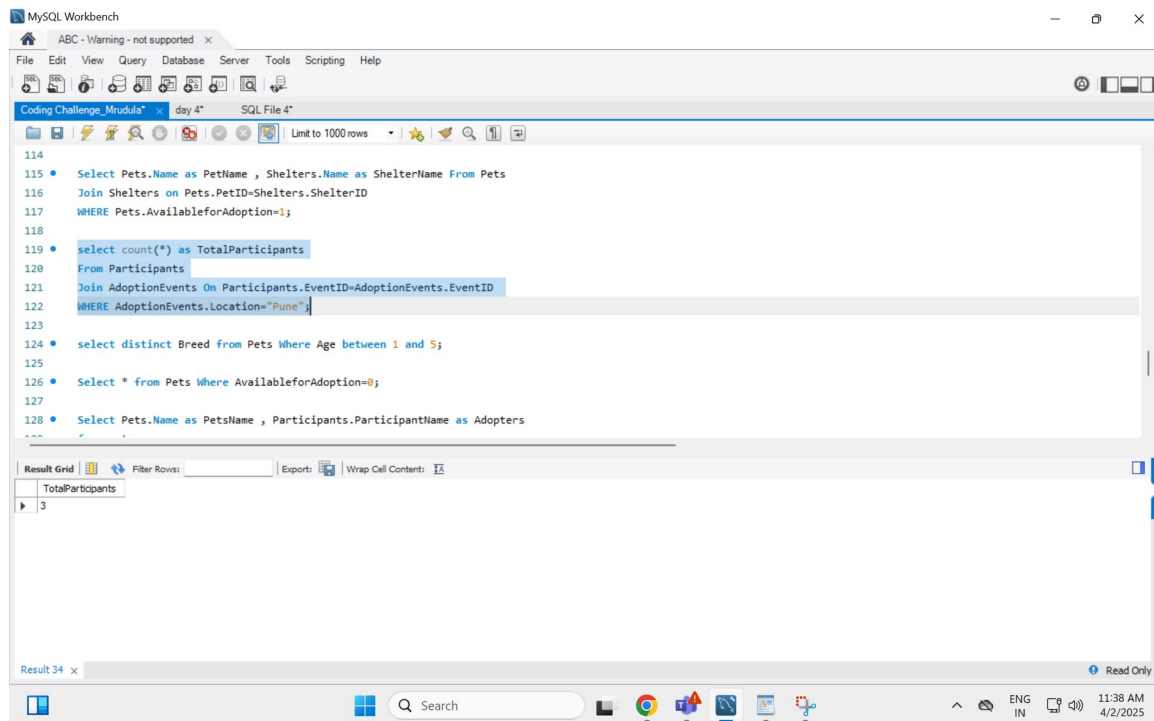
14) Query:

select distinct Breed from Pets Where Age between 1 and 5;

Output:
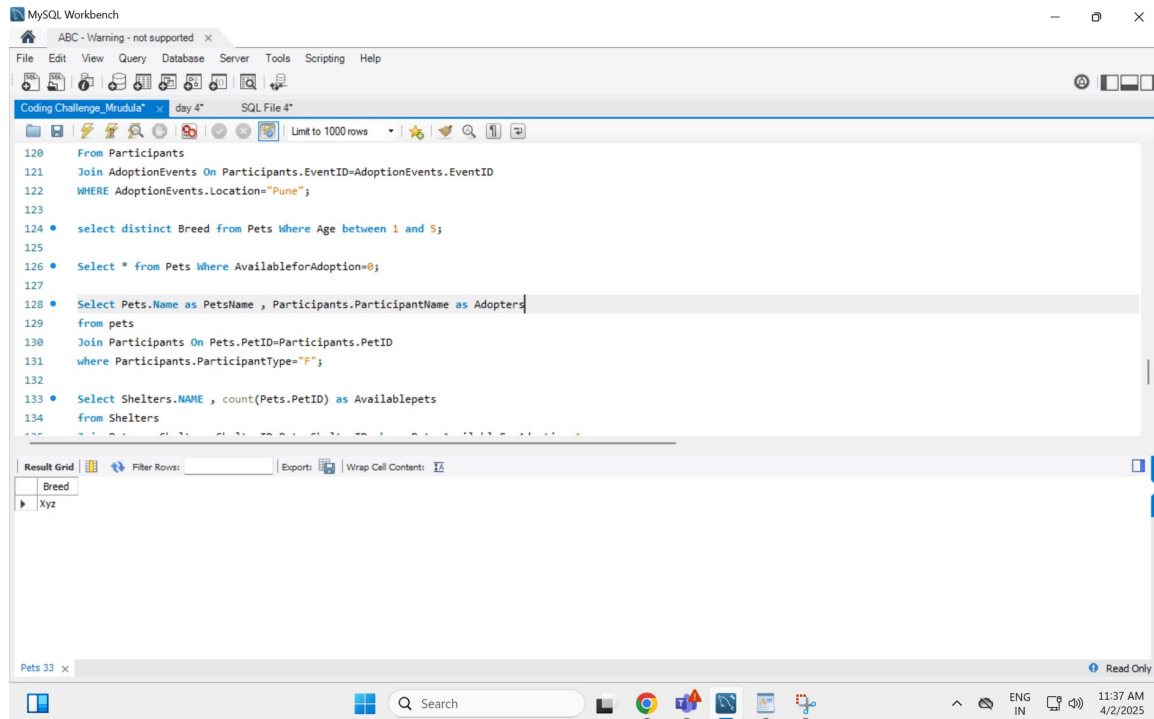
15) Query:

Select * from Pets Where AvailableforAdoption=0;

Output:
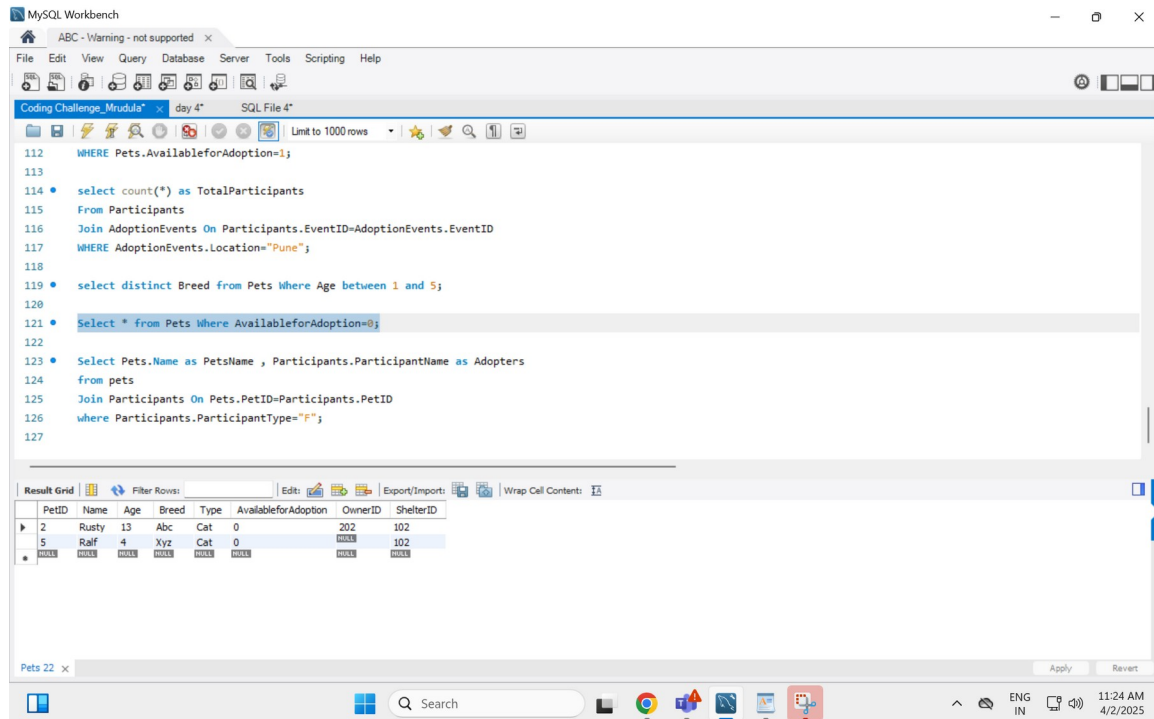
16) Query:

Select Pets.Name as PetsName , Participants.ParticipantName as Adopters

from pets

Join Participants On Pets.PetID=Participants.PetID

where Participants.ParticipantType="F";

Output:
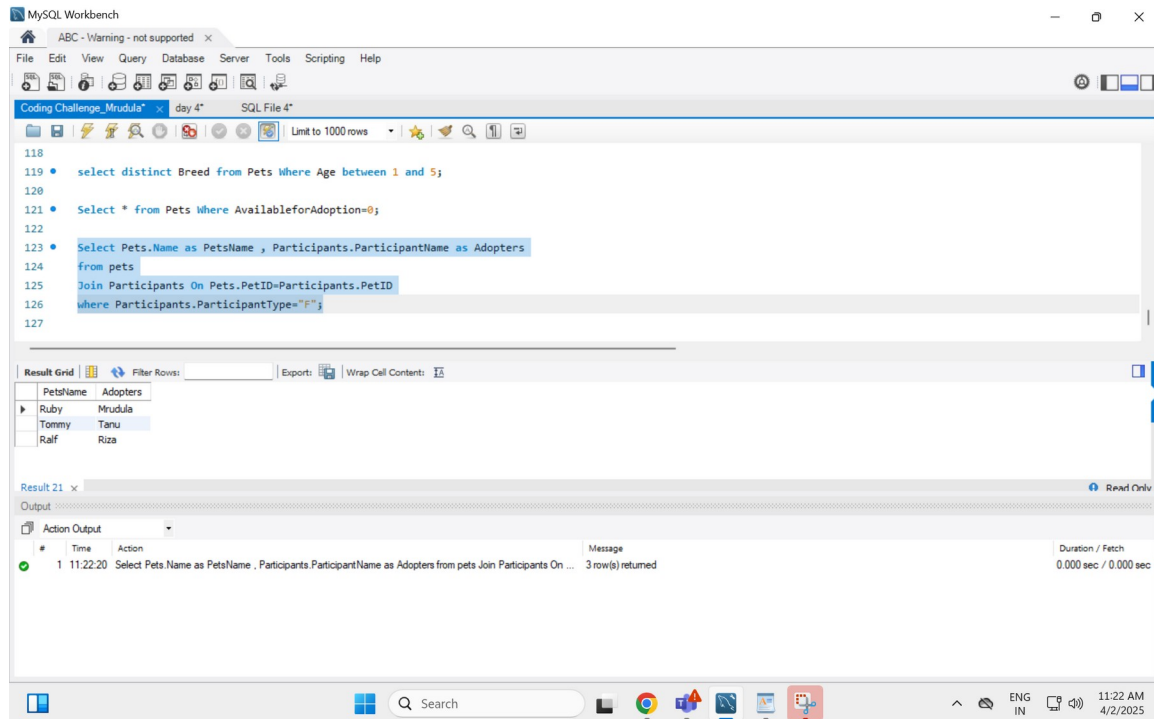
17) Query:

Select Shelters.NAME , count(Pets.PetID) as Availablepets

from Shelters

Join Pets on Shelters.ShelterID=Pets.ShelterID where Pets.AvailableForAdoption=1

group by Shelters.Name;
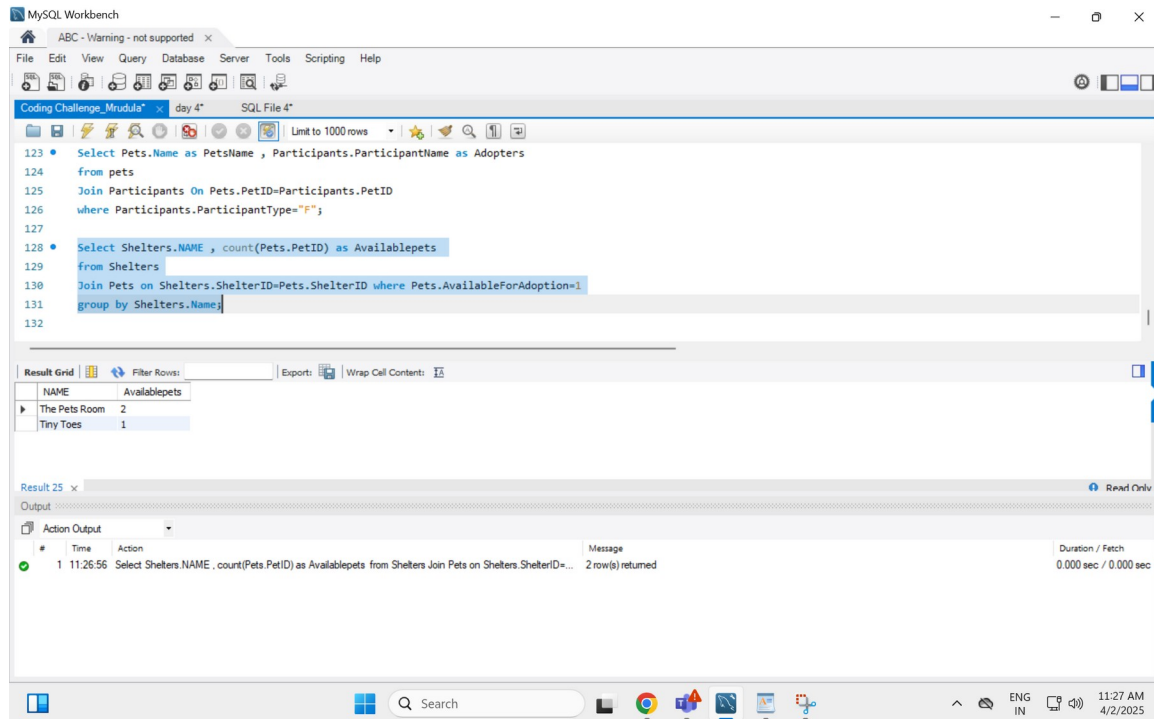
Output:

18) Query:

Select P1.Name as Pet1, P2.Name as Pet2 , P1.Breed , S.Name as Shelter

from Pets P1

Join Pets P2 on P1.Breed = P2.Breed AND P1.PetID<P2.PetID

Join Shelters S on P1.PetID=S.ShelterID;

Output:
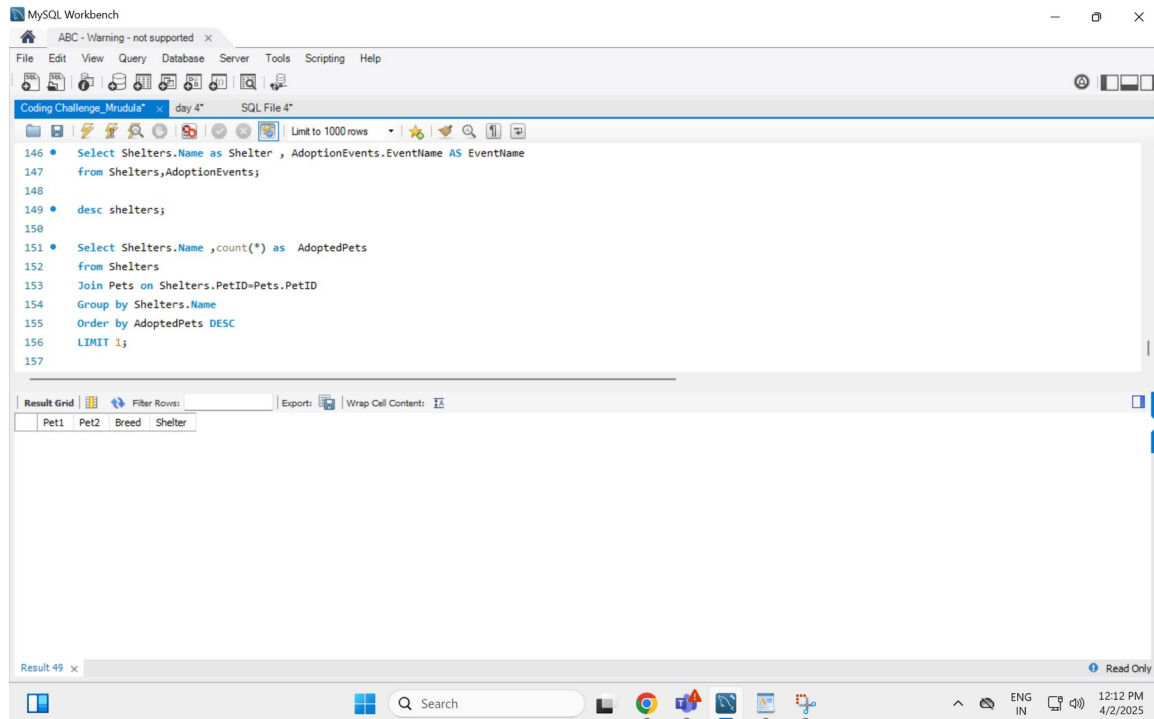
19) Query:

Select Shelters.Name as Shelter , AdoptionEvents.EventName AS EventName

from Shelters,AdoptionEvents;

Output:
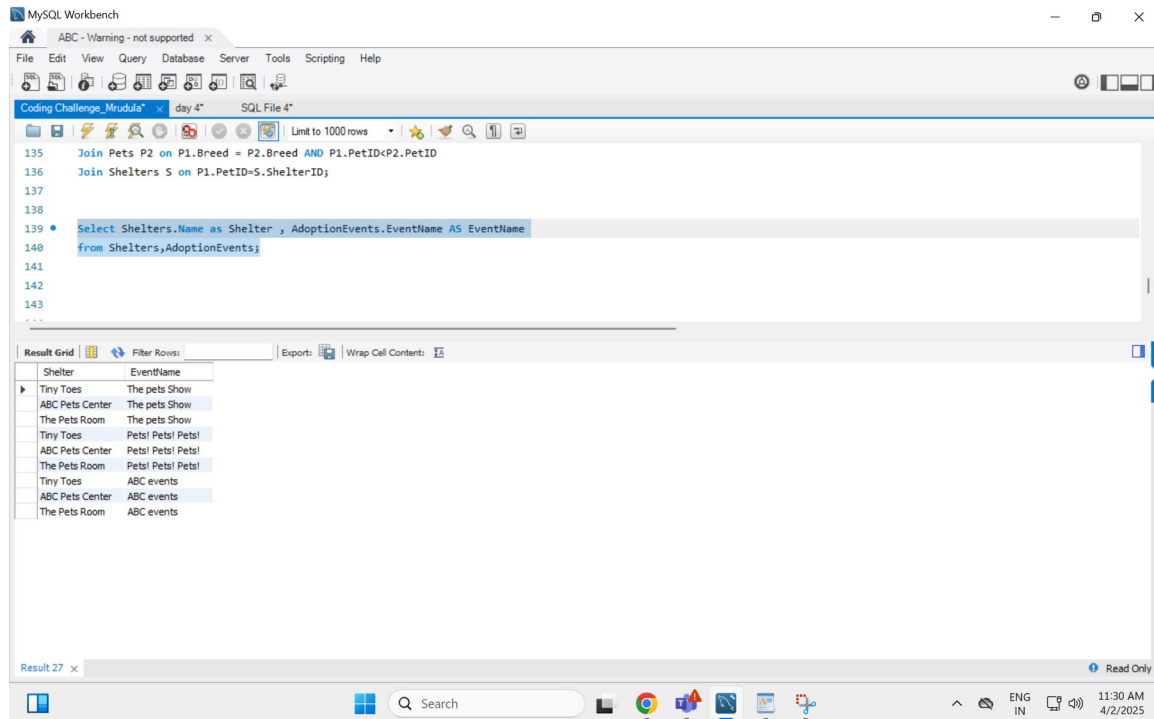
20) Query:

Select Shelters.Name ,count(*) as AdoptedPets

from Shelters

Join Pets on Shelters.PetID=Pets.PetID

Group by Shelters.Name

Order by AdoptedPets DESC

LIMIT 1;

Output:

ABC - Warning - not supported

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

Coding Challenge_Mrudula*   day 4*   SQL File 4*

Limit to 1000 rows

```sql
141      Join Shelters S on P1.PetID=S.ShelterID;
142
143
144  •   Select Shelters.Name as Shelter , AdoptionEvents.EventName AS EventName
145      from Shelters,AdoptionEvents;
146
147  •   desc shelters;
148
149  •   Select Shelters.Name ,count(*) as  AdoptedPets
150      from Shelters
151      Join Pets on Shelters.PetID=Pets.PetID
152      Group by Shelters.Name
153      Order by AdoptedPets DESC
154      LIMIT 1;
155
```

Result Grid   Filter Rows: Export: Wrap Cell Content: ⎁   Fetch rows:

Name	AdoptedPets
The Pets Room	1

Result 32   ℹ Read Only

Q Search   ENG   11:36 AM
                                                          IN   4/2/2025