

**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(
```

```
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),
```

```
(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);
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Database

- abc
- afff
- afif
- area
- art\_gallery
- asestmanagementdb
- assetmanagement
- assetmanagementdb
- car\_rental1

Result 2

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	10:19:25	use petpals	0 row(s) affected	0.000 sec
4	10:19:25	create table Pets( PetID INT PRIMARY KEY , Name VARCHAR(100) NOT NULL, ...	0 row(s) affected	0.031 sec
5	10:19:25	create table Shelters( ShelterID INT PRIMARY KEY, Name VARCHAR(100), Locat...	0 row(s) affected	0.047 sec
6	10:19:25	create table Donations( DonationID INT PRIMARY KEY, DonorName VARCHAR(1...	0 row(s) affected	0.047 sec
7	10:19:25	create table AdoptionEvents( EventID INT PRIMARY KEY, EventName VARCHAR...	0 row(s) affected	0.062 sec
8	10:19:25	create table Participants( ParticipantID INT PRIMARY KEY, ParticipantName VARC...	0 row(s) affected	0.063 sec

## 5) Query:

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

## Output:

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
Name Age Breed Type				
Ruby	10	Lab	Dog	
Tiger	5	Xyz	Dog	
Tommy	7	Abc	Dog	
Pets 40				
Output				
Action Output				
#	Time	Action	Message	Duration / Fetch
5	11:39:49	select Name , Age , Breed , Type from Pets where OwnerID IS NULL LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
6	11:40:19	Select Shelters.Name , (SUM(Donations.DonationAmount)) AS TotalDonations From Shelters LEFT JOI...	3 row(s) returned	0.000 sec / 0.000 sec
7	11:40:52	Update Shelters SET Name="ABC Pets Center" , Location="Ghansoli" where ShelterID=102	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
8	11:40:54	Update Shelters SET Name="ABC Pets Center" , Location="Ghansoli" where ShelterID=102	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
9	11:41:30	Select ParticipantName , ParticipantType from Participants where EventID=502 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
10	11:41:58	Select Name , Age , Breed ,Type from Pets where AvailableforAdoption=1 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

## 6) Query:

Select ParticipantName , ParticipantType from Participants where EventID=502;

## Output:

The screenshot shows the MySQL Workbench interface with a SQL editor and a results panel. The SQL editor contains the following queries:

```
90 (605, "Riza", "F", 501));
91
92 • Select Name , Age , Breed ,Type from Pets where AvailableforAdoption=1;
93
94 • Select ParticipantName , ParticipantType from Participants where EventID=502;
95
96 • Update Shelters
97   SET Name="ABC Pets Center" , Location="Ghansoli"
98   where ShelterID=102;
99
```

The results panel shows the output of the queries:

ParticipantName	ParticipantType
Rohit	M
Ram	M

The Action Output panel shows the execution details of the queries:

#	Time	Action	Message	Duration / Fetch
4	11:39:06	Select Date_Format(DonationDate, "%M%\Y") AS MonthYear, SUM(DonationAmount) as TotalDonations F...	3 row(s) returned	0.000 sec / 0.000 sec
5	11:39:49	select Name , Age , Breed , Type from Pets where OwnerID IS NULL LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
6	11:40:19	Select Shelters.Name , (SUM(Donations.DonationAmount)) AS TotalDonations From Shelters LEFT JOI...	3 row(s) returned	0.000 sec / 0.000 sec
7	11:40:52	Update Shelters SET Name="ABC Pets Center" , Location="Ghansoli" where ShelterID=102	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
8	11:40:54	Update Shelters SET Name="ABC Pets Center" , Location="Ghansoli" where ShelterID=102	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
9	11:41:30	Select ParticipantName , ParticipantType from Participants where EventID=502 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

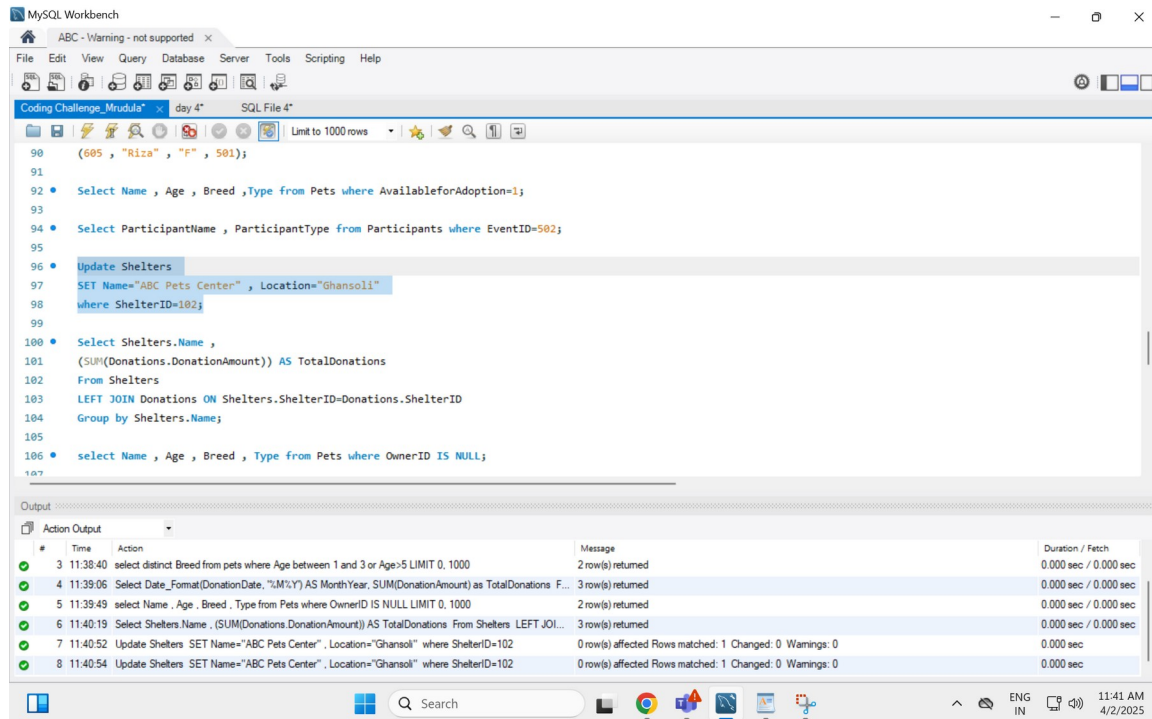
## 7) Query:

Update Shelters

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

where ShelterID=102;

## Output:



## 8) Query:

Select Shelters.Name ,

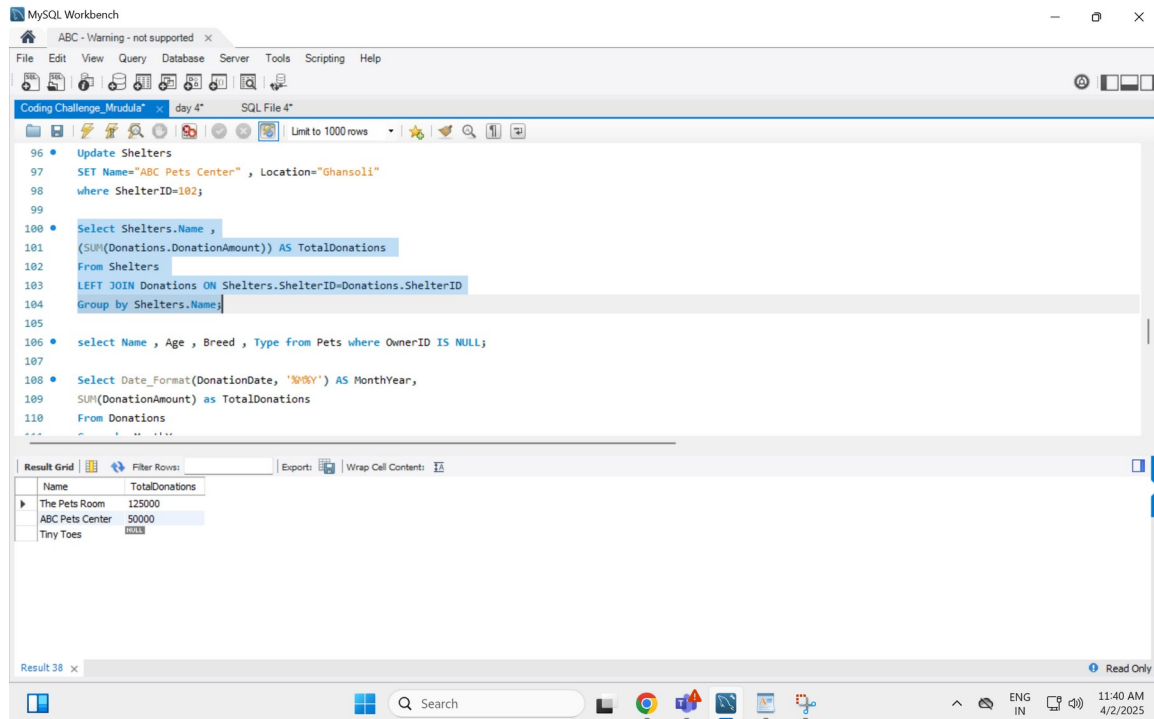
(SUM(Donations.DonationAmount)) AS TotalDonations

From Shelters

LEFT JOIN Donations ON Shelters.ShelterID=Donations.ShelterID

Group by Shelters.Name;

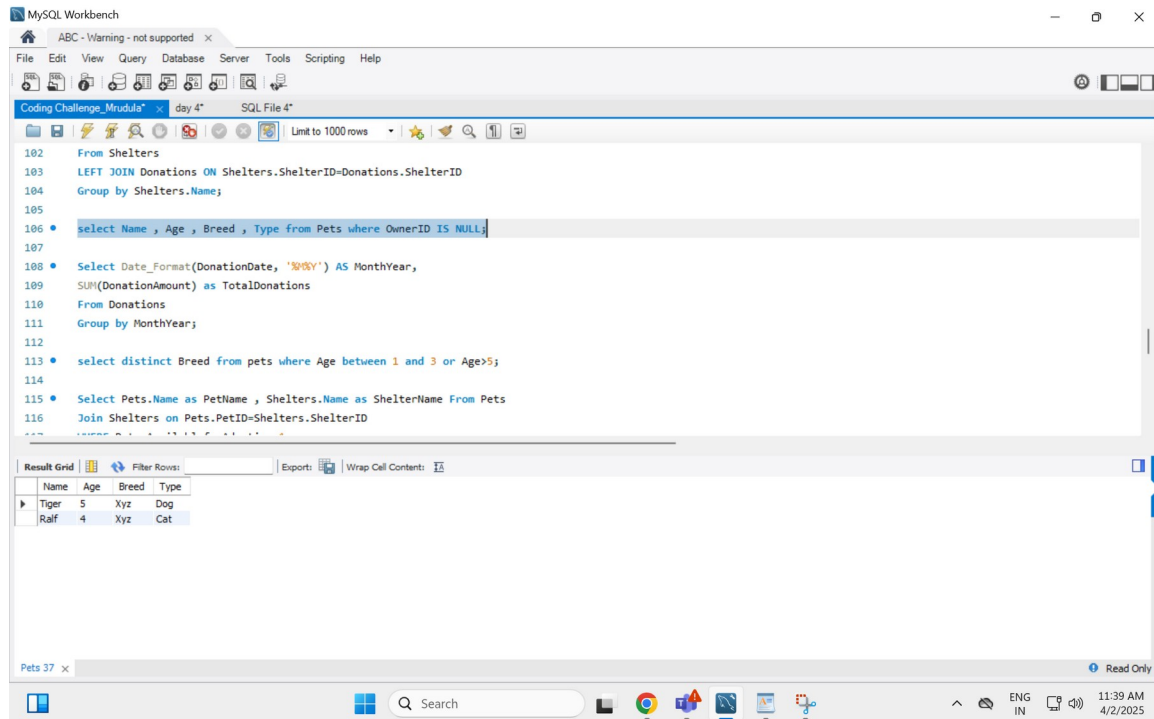
## Output:



## 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:



The screenshot shows the MySQL Workbench interface. The SQL editor contains several queries. The third query is highlighted, showing a SELECT statement with a subquery and a GROUP BY clause. The result grid below shows the output of this query, with columns 'MonthYear' and 'TotalDonations'. The data rows are: January2025 (100000), February2025 (50000), and March2025 (25000).

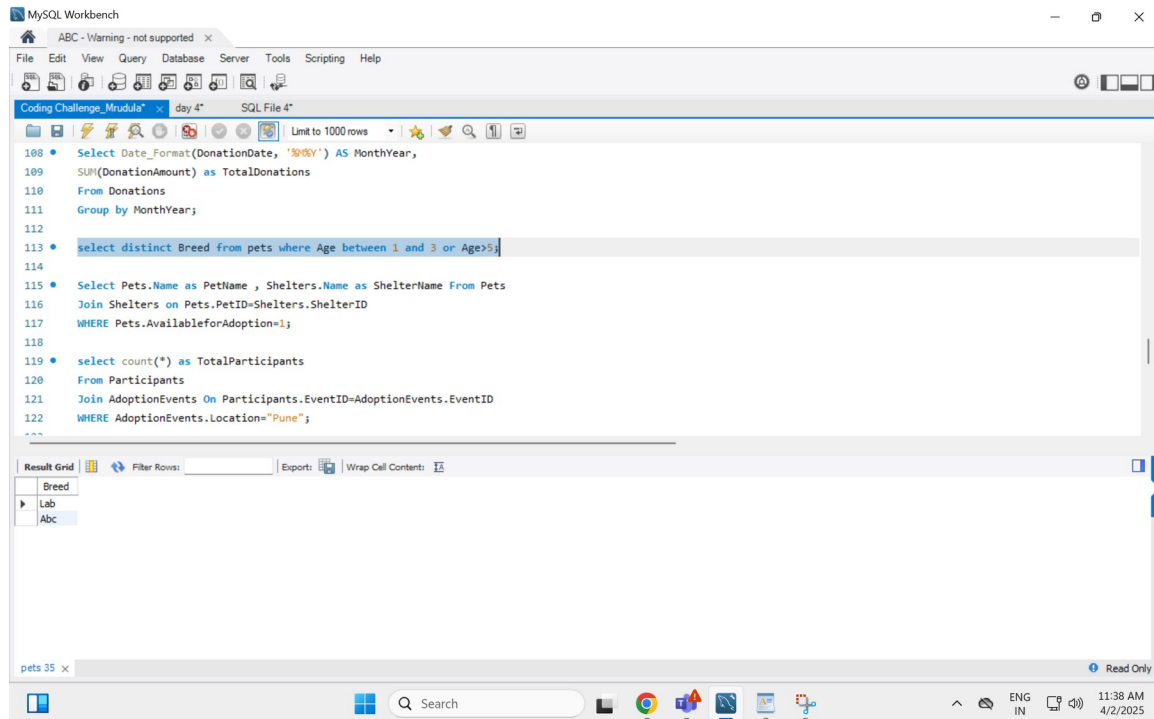
```
105
106 • select Name , Age , Breed , Type from Pets where OwnerID IS NULL;
107
108 • Select Date_Format(DonationDate, 'MMYY') AS MonthYear,
109       SUM(DonationAmount) as TotalDonations
110 From Donations
111 Group by MonthYear;
112
113 • select distinct Breed from pets where Age between 1 and 3 or Age>5;
114
115 • Select Pets.Name as PetName , Shelters.Name as ShelterName From Pets
116   Join Shelters on Pets.PetID=Shelters.ShelterID
117  WHERE Pets.AvailableforAdoption=1;
118
119 • select count(*) as TotalParticipants
```

MonthYear	TotalDonations
January2025	100000
February2025	50000
March2025	25000

## 11) Query:

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

## Output:

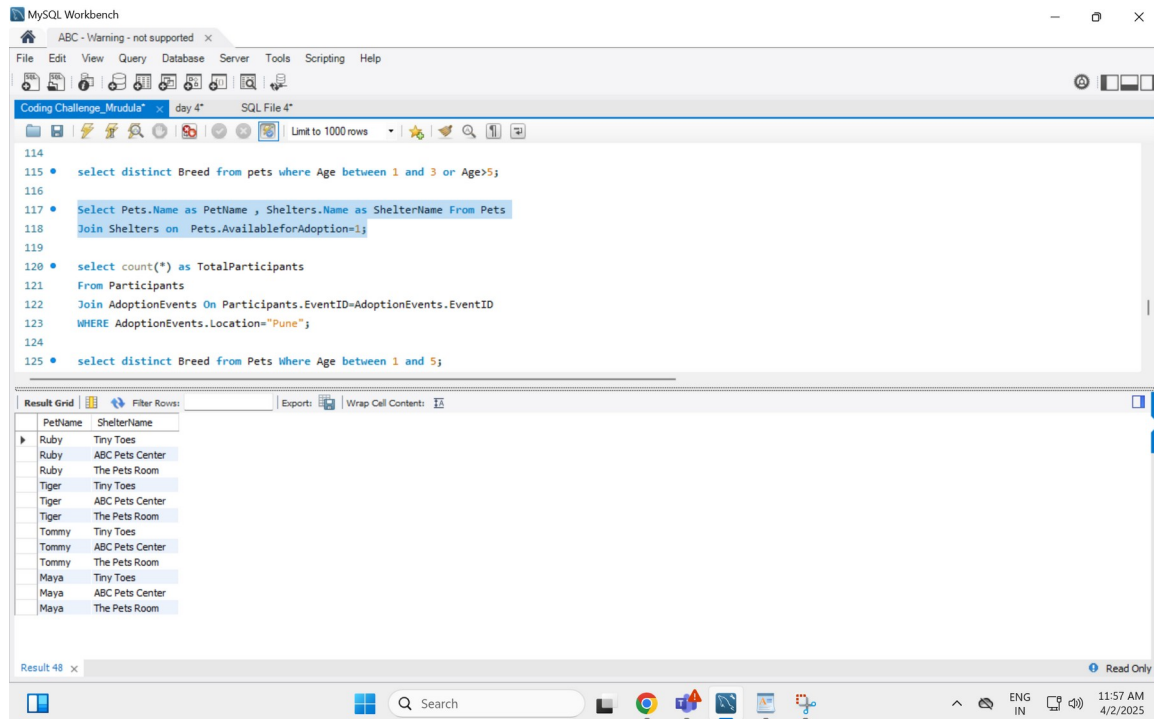


## 12) Query:

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

Join Shelters on Pets.AvailableforAdoption=1;

Output:



### 13) Query:

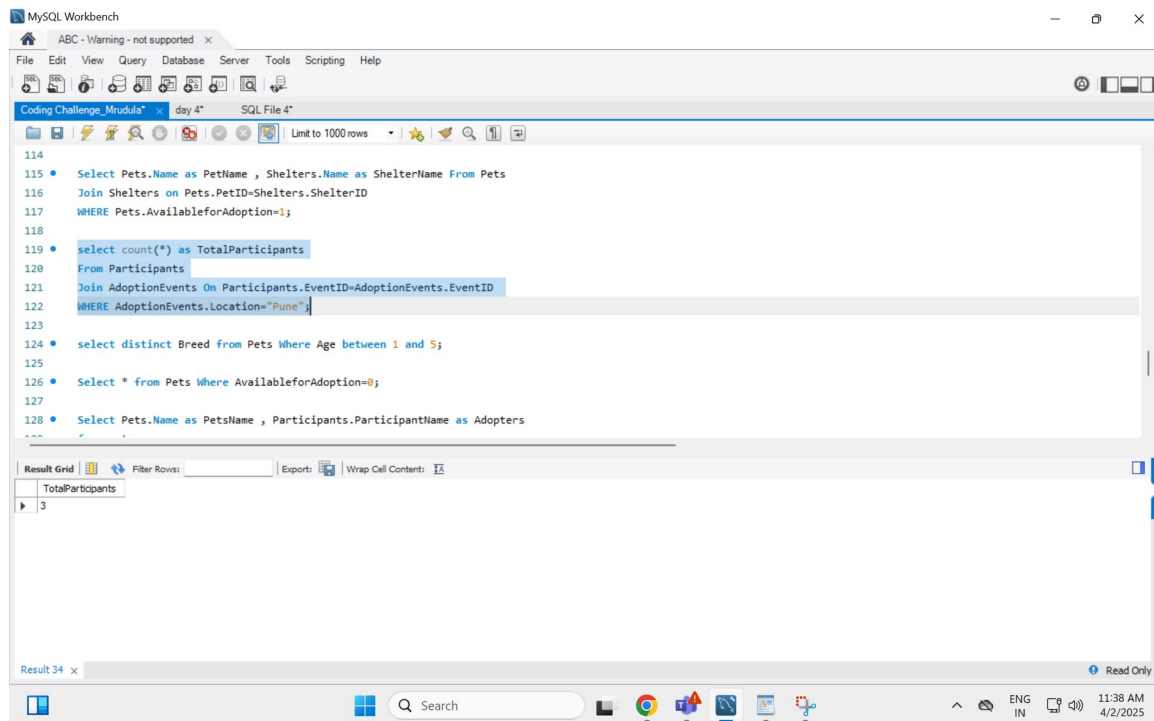
select count(\*) as TotalParticipants

From Participants

Join AdoptionEvents On Participants.EventID=AdoptionEvents.EventID

WHERE AdoptionEvents.Location="Pune";

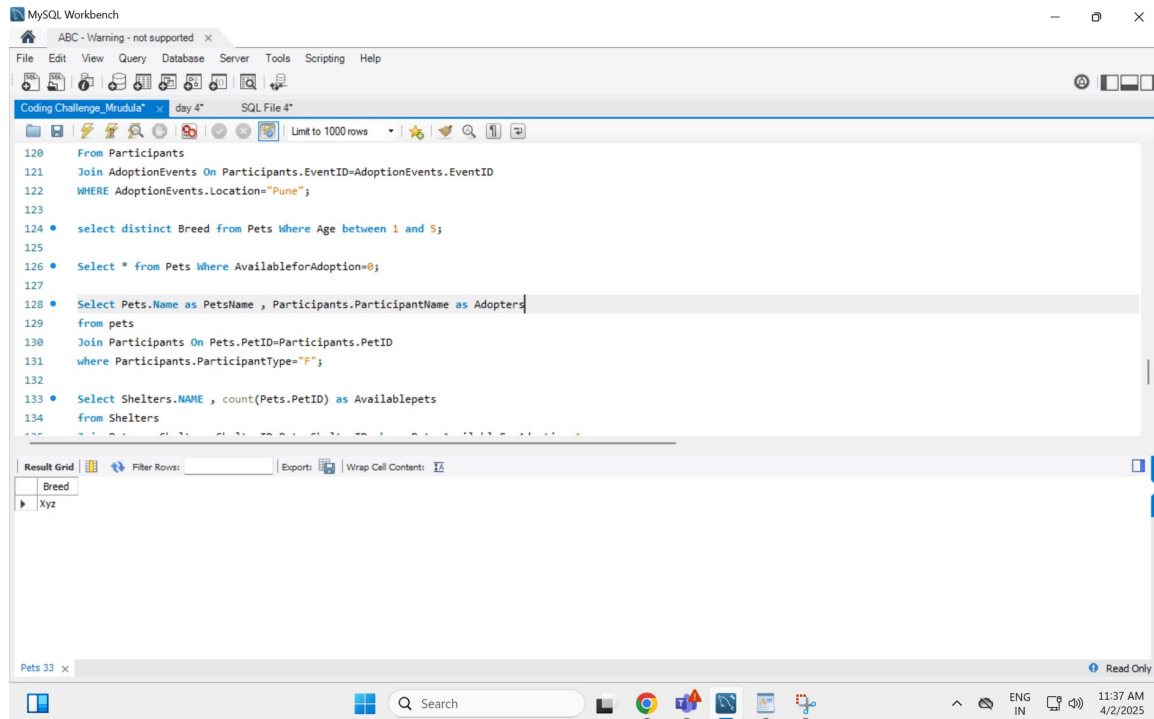
Output:



#### 14) Query:

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

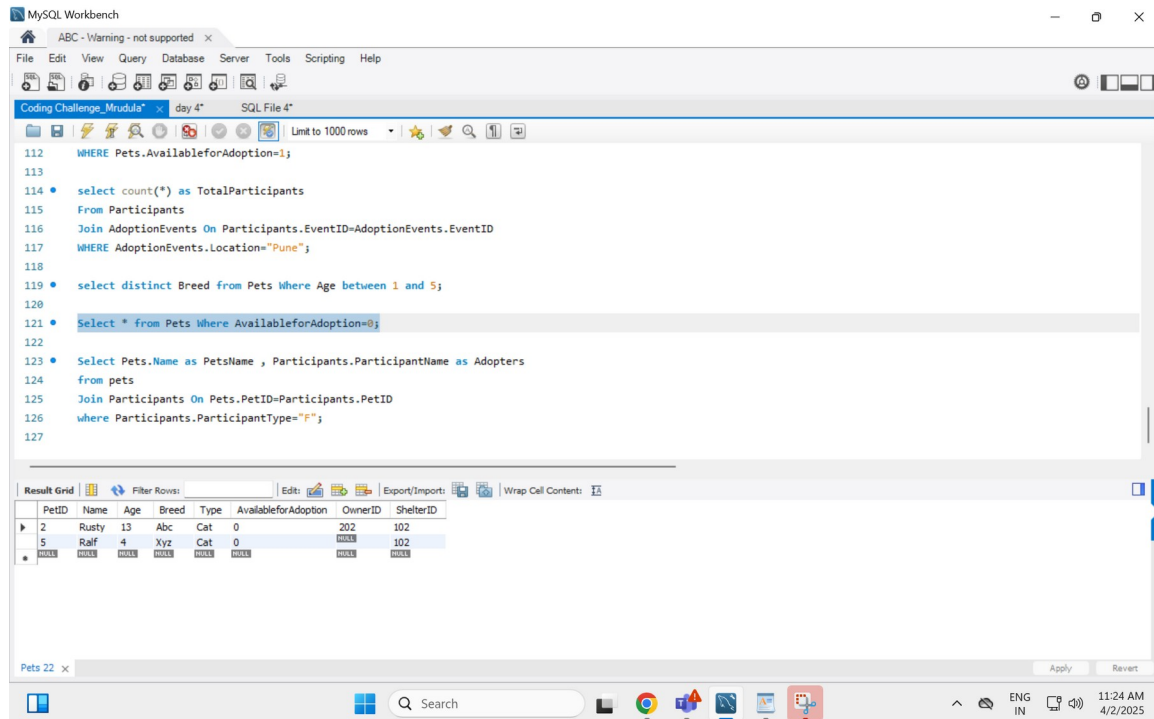
#### Output:



## 15) Query:

Select \* from Pets Where AvailableforAdoption=0;

## Output:



## 16) Query:

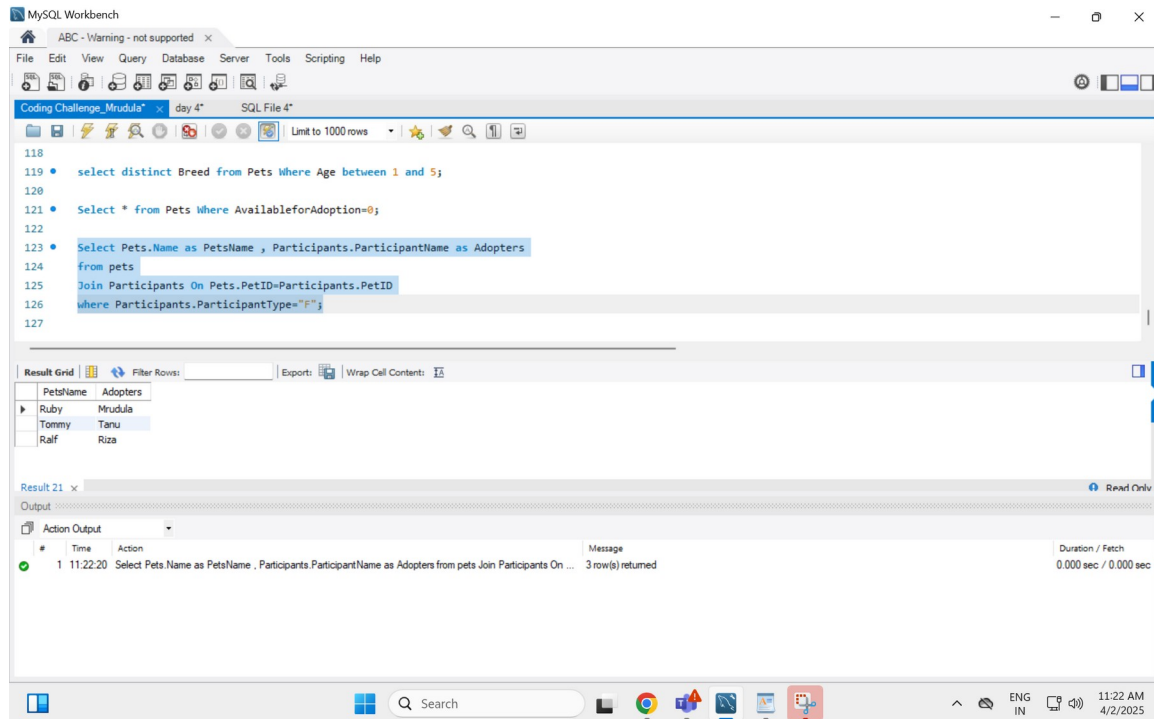
Select Pets.Name as PetsName , Participants.ParticipantName as Adopters

from pets

Join Participants On Pets.PetID=Participants.PetID

where Participants.ParticipantType="F";

**Output:**



## 17) Query:

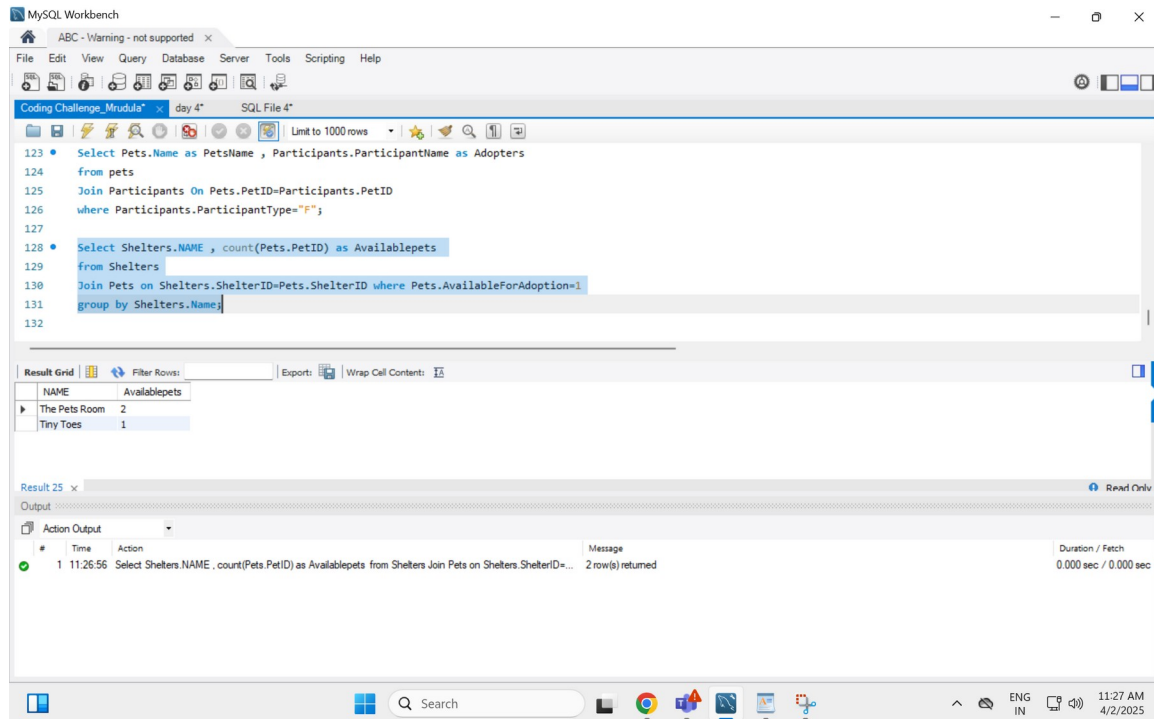
Select Shelters.NAME , count(Pets.PetID) as Availablepets

from Shelters

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

group by Shelters.Name;

**Output:**



## 18) Query:

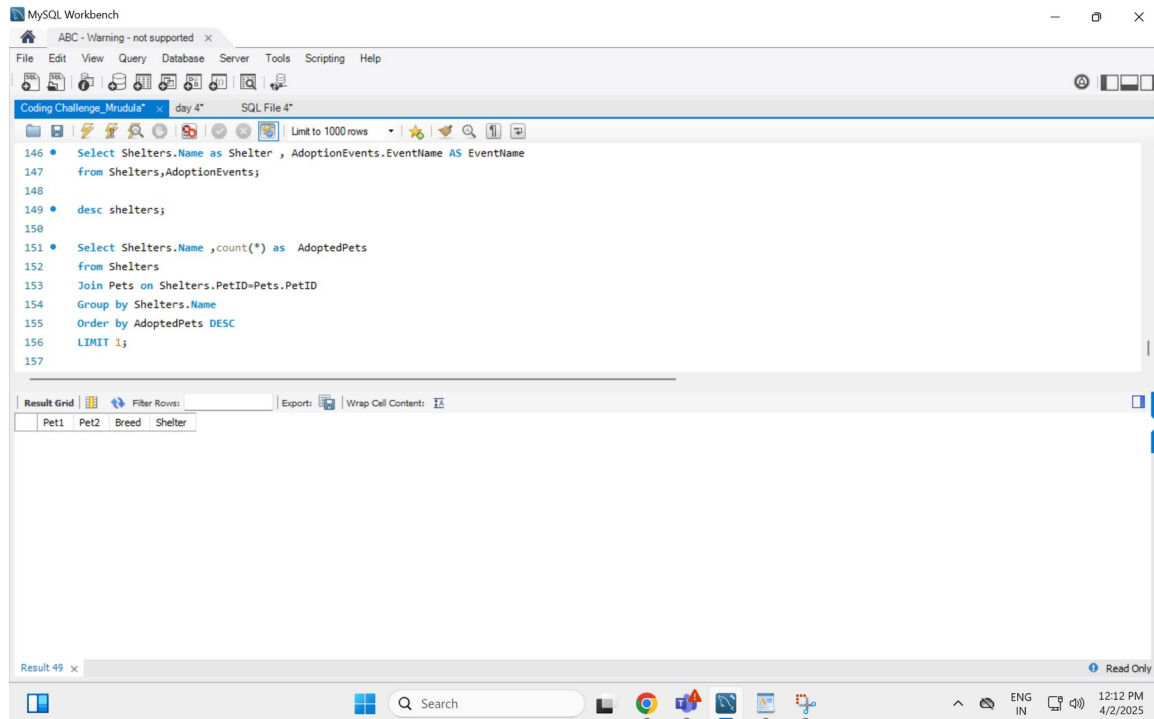
Select P1.Name as Pet1, P2.Name as Pet2 , P1.Breed , S.Name as Shelter  
from Pets P1

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

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

## Output:

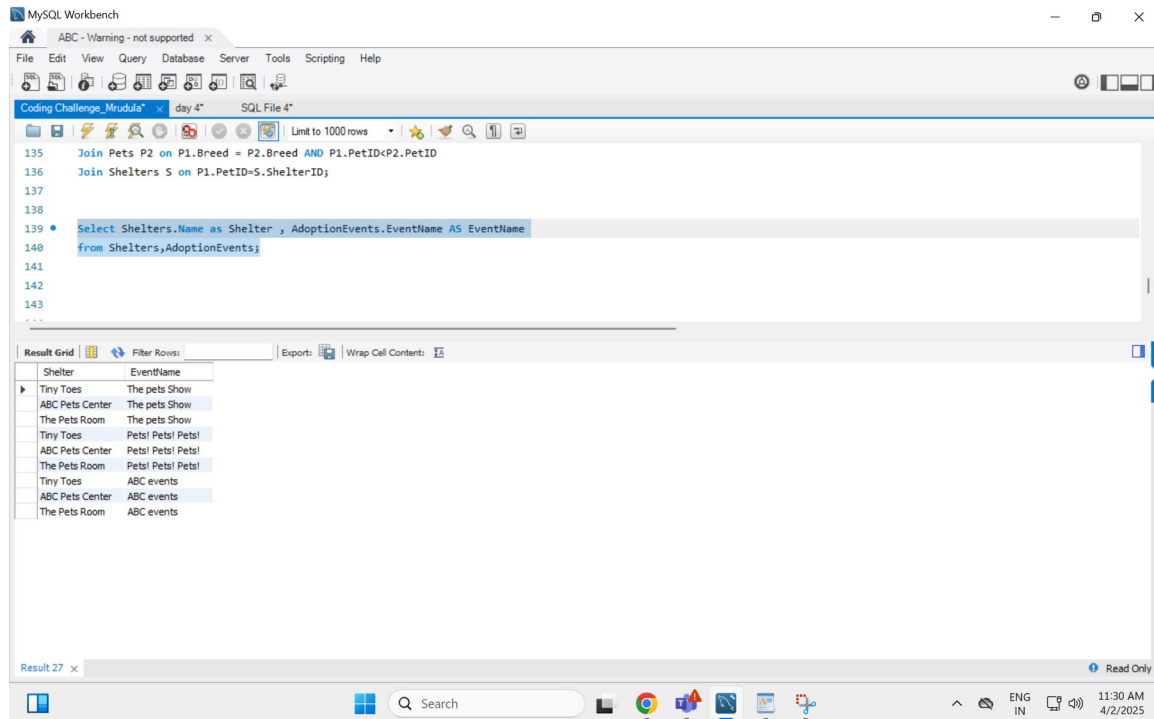




## 19) Query:

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:**

MySQL Workbench

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

```
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: Exports: Wrap Cell Content: Fetch rows:

Name	AdoptedPets
The Pets Room	1

Result 32 Read Only

11:36 AM 4/2/2025