An Analysis on Women's Safety while travelling

Milestone: Implementation in MySQL

Group 10
Stephy Romichan
Meghana Sreenivasa Rao

(575)-842-9980

(857)-421-9496

rao.meg@northeastern.edu

Percentage of Effort Contributed by Student1: 50

Percentage of Effort Contributed by Student2: <u>50</u>

Signature of Student 1: Stephy Romichan

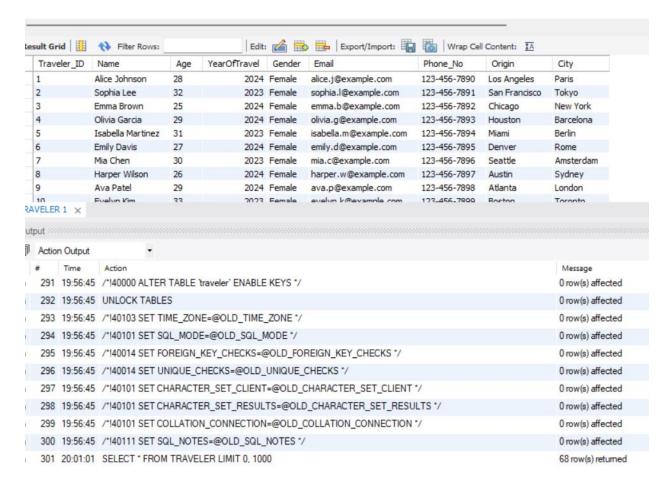
Signature of Student 2: Meghana Sreenivasa Rao

Submission Date: 11/10/2024

1. To display the Traveler table:

SELECT * FROM TRAVELER;

1 • SELECT * FROM TRAVELER;



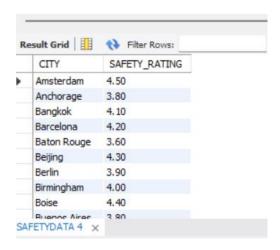
2. To find the cities where the safety rating is below 5

SELECT CITY, SAFETY_RATING

FROM SAFETYDATA

WHERE SAFETY_RATING < 5;

```
SELECT CITY, SAFETY_RATING
FROM SAFETYDATA
WHERE SAFETY_RATING < 5;
```



3. To find government initiatives in cities where the average transportation rating is below 4

```
SELECT INI_NAME, DESCRIPTION, CITY
FROM GOVERNMENT_INITIATIVES
WHERE CITY IN (
   SELECT CITY
  FROM TRANSPORTATION
   GROUP BY CITY
   HAVING AVG(RATING) < 5
);
       SELECT INI_NAME, DESCRIPTION, CITY
        FROM GOVERNMENT_INITIATIVES
  2
      WHERE CITY IN (
            SELECT CITY
            FROM TRANSPORTATION
            GROUP BY CITY
  7
            HAVING AVG(RATING) < 5
  8
Result Grid | III 🙌 Filter Rows:
                                         Export: Wrap Cell Content
  INI_NAME
                      DESCRIPTION
                                                  CITY
  Safe Public Spaces
                       Public safety and women security
                                                 New York
  Protect Women Campaign Awareness on women safety
                                                 Tokyo
  Women Safety Drive
                      Enhanced women safety policies
                                                  Amsterdam
                  Helpline for women travelers
  SafeTravel Program
                                                 Sydney
                       Public awareness on women safety
                   Dedicated support for women
  CitySafe Helpline
  Safe Women Initiative
                       Safety training for women
                                                 Dubai
  Safe Spaces Campaign Public awareness program
                                                Vienna
  CityHelp Initiative
                       Women support helpline
                                                 Lisbon
                                                 Canil
Safaty First Campaign World SOVERNMENT_INITIATIVES 7 X
```

4. To identify travelers who stayed in Airbnb accommodations in cities with a safety rating below 3 SELECT T.NAME, T.EMAIL, A.CITY, A.ACCO_NAME FROM TRAVELER T JOIN STAYSIN S ON T.TRAVELER_ID = S.TRAVELER_ID JOIN ACCOMMODATION A ON S.ACCO_ID = A.ACCO_ID JOIN AIRBNB AB ON A.ACCO_ID = AB.ACCO_ID WHERE A.CITY IN (**SELECT CITY** FROM SAFETYDATA WHERE SAFETY_RATING < 5); SELECT T.NAME, T.EMAIL, A.CITY, A.ACCO_NAME 11 FROM TRAVELER T 12 JOIN STAYSIN S ON T.TRAVELER_ID = S.TRAVELER_ID JOIN ACCOMMODATION A ON S.ACCO ID = A.ACCO ID 13 JOIN AIRBNB AB ON A.ACCO_ID = AB.ACCO_ID 14 15 ⊖ WHERE A.CITY IN (SELECT CITY 16 FROM SAFETYDATA 17 18 WHERE SAFETY_RATING < 5); 19 Export: Wrap Cell Content: IA NAME **EMAIL** ACCO_NAME Evelyn Kim evelyn.k@example.com Amsterdam Amsterdam Safe Hostel Sarah Baker sarah.b@example.com Amsterdam Safe Hostel riley.c@example.com Riley Collins Anchorage Anchorage Safe Stay Lucas Lee lucas.l@example.com Bangkok Bangkok Safe Stay Olivia Garcia Barcelona olivia.g@example.com Barcelona Women Hotel Barcelona Women Hotel Scarlett Adams scarlett.a@example.com Isabella Martinez isabella.m@example.com Berlin Berlin Secure Hostel Victoria Allen victoria.a@example.com Berlin Berlin Secure Hostel Julia Peterson julia.p@example.com Buffalo Buffalo Safe Hostel Liam Brown liam.b@example.com Cairo Cairo Safe Stay

Aurora Price

Leah Myers

esult 10 ×

aurora.p@example.com

leah.m@example.com

Cairo

Chandler

Benjamin Wilson ben.w@example.com Cape Town Cape Town Women Ho...

Cairo Safe Stay

Chandler Safe Stay

5. To find the number of people who stayed in a hotel

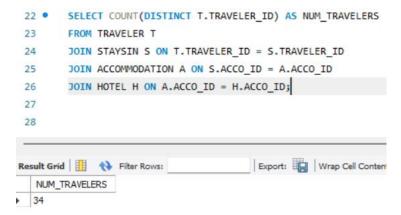
SELECT COUNT(DISTINCT T.TRAVELER_ID) AS NUM_TRAVELERS

FROM TRAVELER T

JOIN STAYSIN S ON T.TRAVELER_ID = S.TRAVELER_ID

JOIN ACCOMMODATION A ON S.ACCO_ID = A.ACCO_ID

JOIN HOTEL H ON A.ACCO_ID = H.ACCO_ID;



6. To identify the accommodations each city has

SELECT A.ACCO_NAME, D.CITY, D.COUNTRY

FROM ACCOMMODATION A

INNER JOIN DESTINATION D ON A.CITY = D.CITY;



7. To display the city names beginning with B

SELECT CITY, COUNTRY

FROM DESTINATION

WHERE CITY LIKE 'B%';



8. To find the travelers who have completed a survey

```
SELECT NAME, EMAIL
```

FROM TRAVELER T

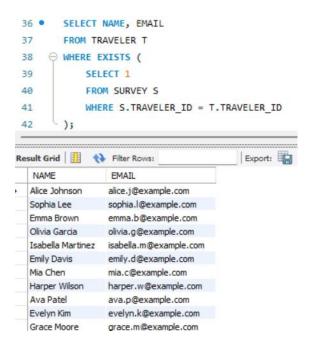
```
WHERE EXISTS (
```

SELECT 1

FROM SURVEY S

WHERE S.TRAVELER_ID = T.TRAVELER_ID

);



9. To find the average rating of accommodations in each city and display the results in descending order of average rating

SELECT CITY, AVG(RATING) AS AVERAGE_RATING

FROM ACCOMODATION

GROUP BY CITY

ORDER BY AVERAGE_RATING DESC;

