Poshem Technologies GROUP LLC

SQL Quizzes done on Microsoft SQL Server

Project Overview:

In this exercise we're going to use the PlayCenter database. PlayCenter is an imaginary online platform, allowing users to browse and download mobile games of different genres.

Please Download the following dataset as this would be utilized to answer the questions below DatabaseCreationScripts - Google Drive Create all Databases using the scripts in the drive above

PlayCenter database consists of a single table: Players - which contains information about the company customers.

Poshem Technologies Question 1

a) Write a query to display all the information inside players.

SELECT *
FROM playcenter..players



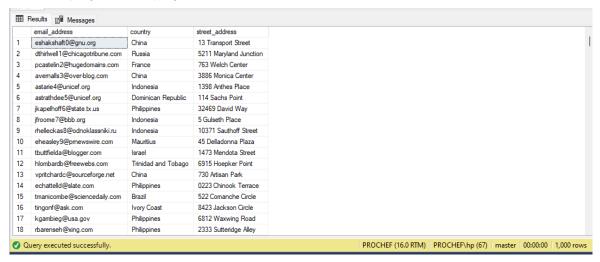
b) Write a query to retrieve the last name, first name and city for each player

SELECT last_name, first_name, city
FROM playcenter..players



c) Write a query to retrieve the email address, country, and street address for each player.

SELECT email_address, country, street_address
FROM playcenter..players



d) Write a query to display the player_id, total_playing_minutes, and installed_games for each player.

SELECT player_id, total_playing_minutes, installed_games
FROM playcenter..players



e) The installed_games column represents the number of games each player has purchased/installed

Write a query to display the player_id, age_group, and total_playing_minutes for each player.

SELECT player_id, age_group, total_playing_minutes
FROM playcenter..players



Poshem Technologies Question 3:

1- Write a query to display for each player - the player_id, amount_spent_usd, and a new calculation representing the amount spent in euros, with exchange rate of 0.8.

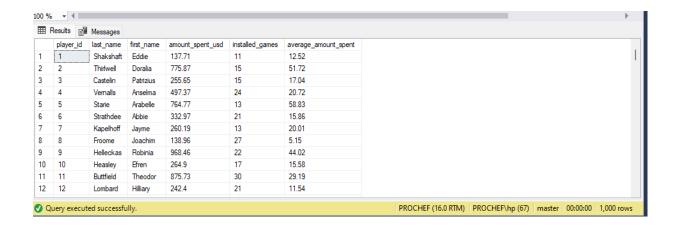
Allow us to elaborate, The amount_spent_usd column represents the amount of money spent by each player in USD so if the current exchange rate is 0.8, the calculation would be amount spent usd * 0.8.

SELEcT player_id, amount_spent_usd, amount_spent_usd * 0.8 as amount_in_euro
FROM playcenter..players



2- Write a query to display

the player_id, last_name, first_name, amount_spent_usd, installed_games, and a new calculation representing the average amount spent on each game (amount spent usd / installed games)



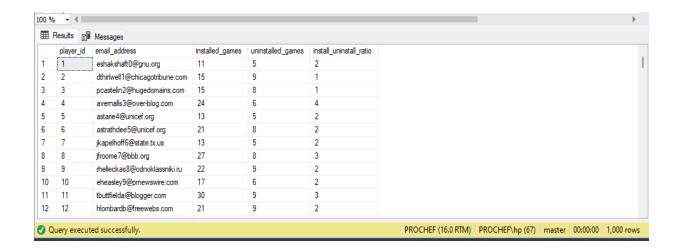
3- Write a query to display for each player - the player_id, email_address, installed_games, uninstalled_games, and a new calculation representing the ratio between installed and uninstalled games (uninstalled games / installed games)

-- ratio of uninstalled_games to installed_games SELECT player id, email address, installed games, uninstalled games, round((cast(uninstalled games as numeric)) / installed games, 2) as install uninstall ratio FROM playcenter..players 100 % → ◀ ■ Results Messages player_id email_address installed_games uninstalled_games install_uninstall_ratio 1 eshakshaft0@gnu.org 0.450000000000 0.60000000000 0.53000000000 3 3 0.250000000000 0.38000000000 6 6 0.38000000000 0.38000000000 jfroome7@bbb.org 0.30000000000 9 9 rhelleckas8@odnoklassniki.ru 22 0.41000000000 eheasley9@pmewswire.com 10 10 17 0.350000000000 11 tbuttfielda@blogger.com 30 0.30000000000 12 12 21 0.43000000000 hlombardb@freewebs.com

PROCHEF (16.0 RTM) | PROCHEF\hp (67) | master | 00:00:00 | 1,000 rows

```
-- ratio of installed_games to uninstalled_games
SELEcT player_id, email_address, installed_games, uninstalled_games,
CASE
    WHEN uninstalled_games = 0 THEN NULL -- avoid an error when no game is installed
    ELSE (installed_games / uninstalled_games)
END AS install_uninstall_ratio
FROM playcenter..players
```

Query executed successfully.



Poshem Technologies Question 4:

- i.) Write a query to display the:
- a. player id
- b. player's first name concatenated with his/hers last name

SELECT player_id, CONCAT(first_name,' ',last_name) as Fullname
FROM playcenter..players



- ii.) Write a query to display the:
- a. player_id
- b. email address
- c. country concatenated with city and street address
- d. total playing time in hours (total playing minutes / 60)

SELECT player_id, email_address, CONCAT(street_address, ', ',city, ', ',country) as Address,
(total_playing_minutes / 60) as total_playing_time_in_hours
FROM playcenter..players



iii.) Write a query to display the following string for each player:

'Full name preferred language is preferred_language' (full name is the result of concatenating first_name and last_name) for example:

'John Watson preferred language is English'

```
SELECT CONCAT(first_name,' ',last_name,' preferred language is ', preferred_language) as
preferred_language
FROM playcenter..players
```



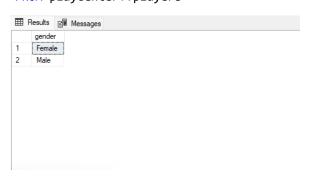
Poshem Technologies Question 5:

a.) Write a query to display the distinct values inside the preferred_language column

```
SELECT DISTINCT(preferred_language)
FROM playcenter..players
```



b.) Write a query to display the distinct list of values inside the gender column SELECT DISTINCT(gender) FROM playcenter..players



c.) Write a query to display the distinct list of values inside the age group column

```
SELECT DISTINCT(age_group)
FROM playcenter..players
```



d.) Write a query to display the distinct combination of gender and age_group columns

```
SELECT DISTINCT gender, age_group
FROM playcenter..players
```



Note: There is no Question 2 given