

SE 2222 – Database Systems

Labwork #1

Yaşar University

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This labwork is expected to be uploaded to Sakai latest on November 5, 23:55 (Turkish local time). It is going to be graded. Any unethical behavior such as cheating, helping, uploading the question to any website to get the answer is strictly prohibited. Open and run the “week06_labwork1.sql” file in MySQL Workbench. Then fill in the answers in the correct places in the “week06_labwork1_studentanswers.sql” file. Do not delete or replace the existing comment lines, but if you want to specify something, you can write additional comment lines yourself. Upload just the file “week06_labwork1_studentanswers.sql” file to the Sakai system.

Questions

1. Show the names and e-mail addresses of the players whose names start with ‘J’ and end with ‘y’. Sort by age from smallest to largest.
2. Find the average age of players whose last purchased game was any Assassin’s Creed game.
3. Find the average age of the female players without using any function that finds the average.
4. Increase everyone’s age by one.
5. Create a new column named “YearOfBirth” and fill in the year of birth there.
6. Show the names, surnames, and phone numbers of the players who purchased any Dark Souls game and registered before 2010, sort by registration date and then time.

7. Find the ratio of people who either ordered Pokemon or Persona game to the number of females who purchased an Assassin's Creed game.

Hint: You need to use two separate select statements to get each number and add them to a variable. One example of how to use variables is below:

```
SELECT @numberOfRecords := COUNT(*) FROM Player;  
SELECT @numberOfRecords;
```

will add the number of all records to "numberOfRecords" variable, and the select statement below will display its value.

8. Find the average age of male players who ordered a game before 2010 (RegDate < 2010) as well as find the average of female players who ordered a game after 2012 (RegDate > 2012) and display the ratio between the two labelings it as "finalRatio".
9. Add a column full Name and populate the column with first name + space + second name like if the name is "Matteo" and the last name is "Downs" full name should be "Matteo Downs".
10. Add a column "timeSinceRegistration" and calculate for each player for how many days they have been registered. then find the oldest member by using this newly created "timeSinceRegistration".
Hint: You can use the predefined DATEDIFF() and NOW() function to calculate values.

Good luck!