

## SE 2222 Database Systems

### Week 8: Labwork - 2

#### Lab Task

This lab work is expected to be uploaded to Sakai latest on November 19, 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 “week8\_sampledb.sql” file in MySQL Workbench. This will setup the dataset you will be working on. Then Create a new empty Java project in NetBeans and “mysql-connector-java-8.0.27.jar” provided to you last week to your project libraries.

You can also open up the sample from last week lab and copy – paste anything you want for your convenience. **As the Questions below are required to be completed in Java.**

Upload only your java source code files with “.java” extension. **Any other extension like .txt or .pdf or .doc/.docx will be given directly 0 for the submission.**

#### Question 1

Find and print how many records there are within the table.

#### Question 2

Find and display how many tonnes of each item Turkey is produced in total within 6-year span (2014-2019).

#### Question 3

Find and display top 5 countries by production of Apples with their names and tonnes of production within 6-year span (2014-2019).

#### Question 4

Find total production of Blueberries throughout the Europe in year 2014 and compare it to year 2018. Find out which year had more production.

### Question 5

Add US Total production for Apples in years 2014,2015,2016 to the table provided below.

Year	Production Amount (Tonnes)
2014	5358740
2015	4556790
2016	5214040

### Question 6

Add US Total production for Pineapples in years 2014,2015,2016 to the table provided below.

Year	Production Amount (Tonnes)
2014	175000
2015	162429
2016	151837

### Question 7

Update Agriculture table to set production amount for Figs decrease by 25% for every country that has a production amount other than 0 (TonnesOfProduction>0).

### Question 8

Update Agriculture table to set grape production in every country to 0 in the year 2015 if the Production amount is less than 100000 tonnes.

### Question 9

Delete all the records from the Agriculture table where the Production amount equals to 0.

### Question 10

Delete all the records from the Agriculture table that belongs to the USA.

Good Luck.