IT Technology
Database and Programing
Assignment 22 Views

Lillebaelt Academy of
Professional Higher Education

Authors:
Milan Vince: mila1025@edu.eal.dk
Nikolay Petrov:niko010h@edu.eal.dk
Dilshad Khalaf: dils0008@edu.eal.dk

2017-05-21

Table of Contents

1 Introduction

This document shows how to create VIEW in a database using SQLite. The CREATE VIEW command assigns a name to a pre-packaged SELECT statement.[1] It is the key to pack a query into a named object.

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[1]https://www.sqlite.org/lang_createview.html

Milan Vince: mila1025@edu.eal.dk
Nikolay Petrov:niko010h@edu.eal.dk
Dilshad Khalaf: dils0008@edu.eal.dk

2 Creating the view

```
sqlite> CREATE VIEW viewPCCTable AS
   ...> SELECT customerTable.name, countryTable.country, productTable.product
   ...> FROM customerTable, cityTable, countryTable, orderTable, orderProductTable,
   ...> productTable
   ...> WHERE customerTable.city = cityTable.idCity
   ...> AND cityTable.country = countryTable.idCountry
   ...> AND orderTable.custID = customerTable.idCust
   ...> AND orderProductTable.orderID = orderTable.idOrder
   ...> AND orderProductTable.productID = productTable.idProd;
```

3 Proving that is working

```
sqlite> SELECT * FROM viewPCCTable;
Alice|Denmark|Anti Virus
Alice|Denmark|Mouse
Artur|Lithuania|CPU
Alice|Denmark|HDMI cable
Alice|Denmark|HDMI cable
Artur|Lithuania|Anti Virus
```

And the queries are working as well.

```
sqlite> SELECT country, product FROM viewPCCTable;
Denmark|Anti Virus
Denmark|Mouse
Lithuania|CPU
Denmark|HDMI cable
Denmark|HDMI cable
Lithuania|Anti Virus
```

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4 Conclusion

In this assignment we learn how to make VIEWS and it was a good way to improve our experience in our work with SQLite. ☺

Milan Vince: mila1025@edu.eal.dk
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Dilshad Khalaf: dils0008@edu.eal.dk