Faculty of Computers, Informatics and Microelectronics

Technical University of Moldova

Databases and knowledge

Laboratory work#5

Tables creation and update for T-SQL and PL/SQL

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Laboratory work #5

1 Purpose of the laboratory work

Introduction to update and creation of tables for T-SQL and PL/SQL.

2 Objectives

Elements of update and create of tables for T-SQL and PL SQL/language.

3 Laboratory work implementation

3.1 Tasks and Points

Basic knowledge of tables creation and update for T-SQL and PL/SQL.

3.2 Laboratory work analysis

Specified tasks included steps like drop/creation of a database, creation/update of tables and creation of indicies for given tables. All tasks were performed both, in MS SQL Server and Oracle. Git repository `https://github.com/PosticaDenis/BDC_labs`

3.3 Screens of my work

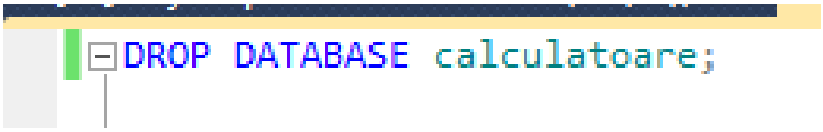

Figure 3.1 – Drop database "calculatoare".

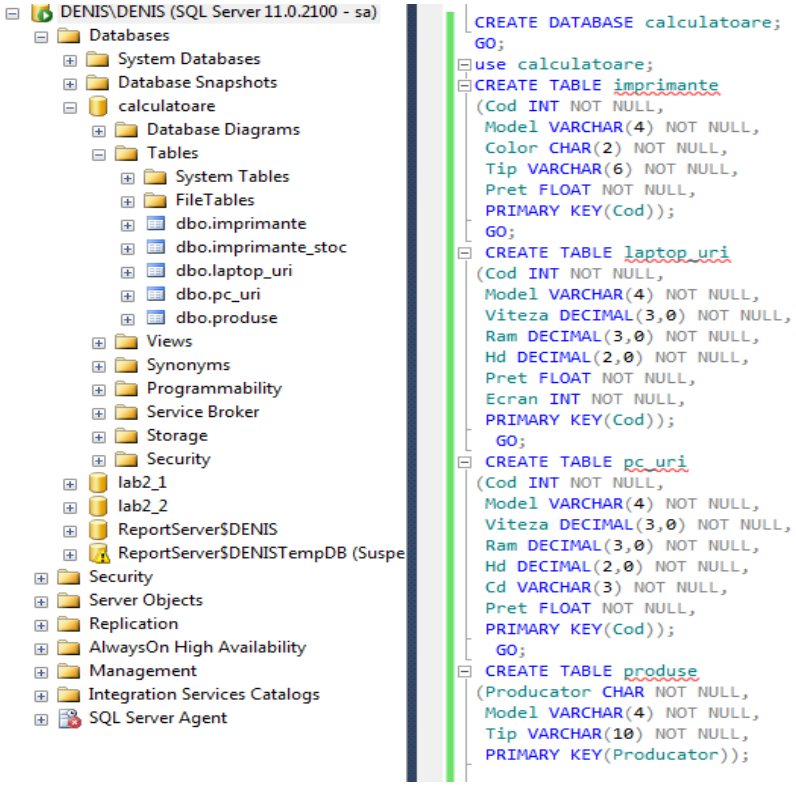

Figure 3.2 – Create database "calculatoare" and all corresponding tables.

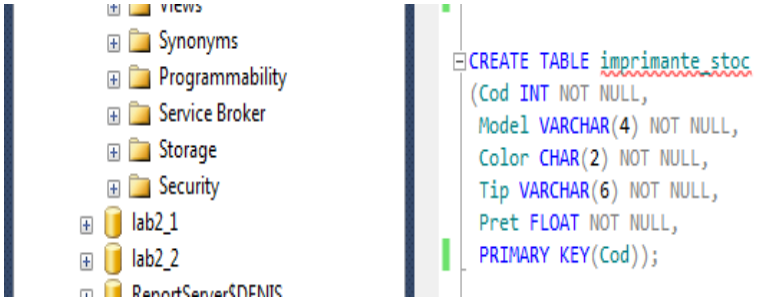

Figure 3.3 – Create database "imprimante_stoc".

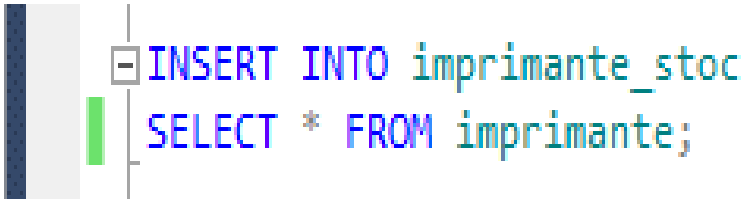

Figure 3.4 – Insert information from "imprimante" to "imprimante_stoc".

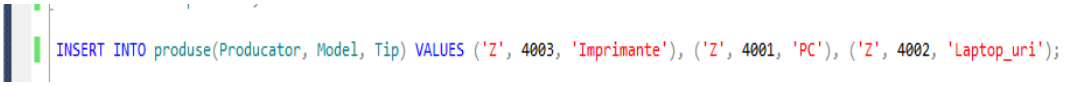

Figure 3.5 – Insert information into table "produse".

```
ALTER TABLE pc_uri ADD DEFAULT 32 FOR Ram;
ALTER TABLE pc_uri ADD DEFAULT 5 FOR Hd;
ALTER TABLE pc_uri ADD DEFAULT '12x' FOR Cd;
ALTER TABLE pc_uri ALTER COLUMN Viteza DECIMAL(4,0);

INSERT INTO pc_uri(Cod, Model, Viteza, Pret) VALUES (22, 4444, 1200, 1350);
```

Figure 3.6 – Insert information into table "pc_uri".

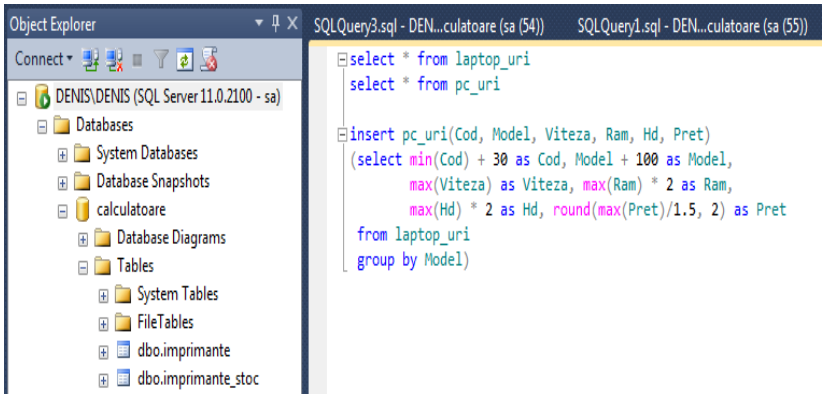

Figure 3.7 – Insert more information into table "pc_uri".

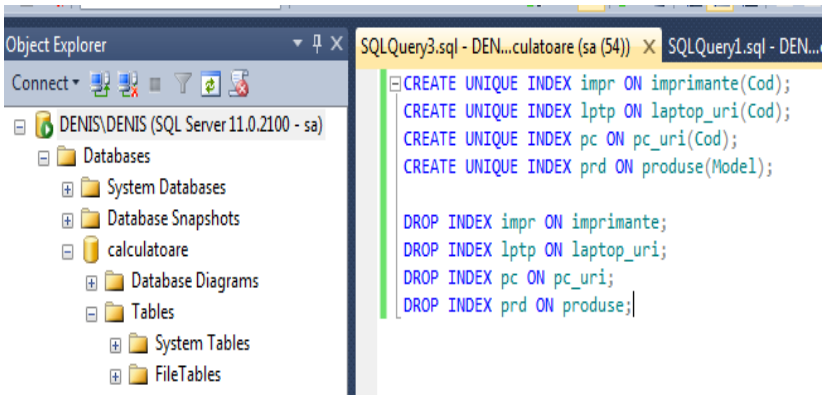

Figure 3.8 – Create indicies for all given tables.

Conclusions

While performing laboratory work #5 were gained basic skills of creating databases/tables, also update/alter of tables using Query editor for T-SQL and PL/SQL. The last but not the least, were performed first steps on creating indicies fro tables. Were performed exercises of different levels of difficulty. Were obtained skills on editing databases/tables using Query editor.

References

1 Installing SQL Server 2012 Standard Edition, http://www.exactsoftware.com/docs/DocView.aspx?DocumentID=%7B2e5c88a9-8611-4cb1-b229-92cac363e2fd%7D&NoHeader=1&NoSubject=1

2 Oracle, *official page*, www.oracle.com