Laboratory 3 – Exercises.

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CRUD Operations:

1.Read

Graphical user interface

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Graphical user interface

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Graphical user interface

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2. Create

Graphical user interface

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Graphical user interface

Description automatically generated

3. Update

Graphical user interface

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Graphical user interface, application

Description automatically generated

4. Delete

Graphical user interface

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Graphical user interface

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GRIDVIEW Exercise:

1.Add

Graphical user interface

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Graphical user interface

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2. Delete

Graphical user interface

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Graphical user interface

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The SQL Query that I used to create and populate the database:

USE [Lab3-II];

GO

DROP TABLE IF EXISTS Universitati

CREATE TABLE Universitati(

id INT NOT NULL,

NameUniv VARCHAR(45) NOT NULL,

City VARCHAR(45) NOT NULL,

Code INT NOT NULL,

CONSTRAINT PK\_Unversitati PRIMARY KEY(Code))

GO

DROP TABLE IF EXISTS Facultati

CREATE TABLE Facultati(

id INT NOT NULL,

Code INT NOT NULL,

NameFac VARCHAR(100) NOT NULL,

CONSTRAINT FK\_Universitati FOREIGN KEY(Code) REFERENCES Universitati(Code))

GO

INSERT INTO Universitati VALUES (1,'Universitatea Tehnica', 'Cluj-Napoca', 876343)

INSERT INTO Universitati VALUES (2, 'Universitatea Tehnica Timisoara', 'Timisoara', 365)

INSERT INTO Universitati VALUES (3, 'Universitatea Tehnica Iasi', 'Iasi', 4657)

INSERT INTO Universitati VALUES (4, 'Universitatea Tehnica Bucuresti', 'Bucuresti', 1234)

INSERT INTO Universitati VALUES (5, 'Universitatea Tehnica Brasov', 'Brasov', 5678)

INSERT INTO Universitati VALUES (6, 'Universitatea Tehnica Suceava', 'Suceava', 9012)

INSERT INTO Universitati VALUES (7, 'Universitatea de Vest', 'Timisoara', 3456)

INSERT INTO Facultati VALUES(1, 876343, 'Facultatea de Automatica si Calculatoare')

INSERT INTO Facultati VALUES(2, 876343, 'Facultatea de Electronica, Telecomunicatii si Tehnlogia Informatiei')

INSERT INTO Facultati VALUES(3, 876343, 'Facultatea de Mecanica')

INSERT INTO Facultati VALUES(4, 365, 'Facultatea de Inginerie Chimica')

INSERT INTO Facultati VALUES(5, 4657, 'Facultatea de Electrotehnica')

INSERT INTO Facultati VALUES(6, 4657, 'Facultatea de Constructii')

INSERT INTO Facultati VALUES(7, 1234, 'Facultatea de Automatica si Calculatoare')

INSERT INTO Facultati VALUES(8, 1234, 'Facultatea de Electronica, Telecomunicatii si Tehnlogia Informatiei')

INSERT INTO Facultati VALUES (9, 365, 'Facultatea de Mecanica')

INSERT INTO Facultati VALUES (10, 365, 'Facultatea de Inginerie Chimica')

INSERT INTO Facultati VALUES (11,3456,'Facultatea de Automatica si Calculatoare')

INSERT INTO Facultati VALUES (12,3456,'Facultatea de Electronica, Telecomunicatii si Tehnlogia Informatiei')

INSERT INTO Facultati VALUES (13, 5678, 'Facultatea de Electrotehnica')

INSERT INTO Facultati VALUES (14, 5678, 'Facultatea de Constructii')

INSERT INTO Facultati VALUES (15, 9012, 'Facultatea de Automatica si Calculatoare')

INSERT INTO Facultati VALUES (16, 9012, 'Facultatea de Electronica, Telecomunicatii si Tehnlogia Informatiei')