Oprea Sergiu-Daniel, Gr. 30322, Lab 6 Homework

1.a

CREATE VIEW Exercise1a AS

SELECT Name,Surname,Group\_Id,Disc\_name,Date\_of\_Exam,Mark

FROM Students JOIN Marks on (Stud\_Id=Student\_Id) JOIN Disciplines ON (Disc\_Id=Discipline\_Id)

1.b

CREATE VIEW Exercise1b AS

SELECT Name,Surname,

(CASE WHEN [TeachersDisciplines].Disc\_Id IS NULL THEN 'No discipline' ELSE Disc\_name END ) AS Discipline\_name

FROM Teachers LEFT JOIN [TeachersDisciplines] ON (Teachers.Teacher\_Id=[TeachersDisciplines].Teach\_Id)

LEFT JOIN Disciplines on ([TeachersDisciplines].Disc\_Id = Disciplines.Discipline\_Id)

1.c

CREATE VIEW Exercise1c AS

SELECT Teachers.Name, Teachers.Surname

FROM Teachers LEFT JOIN Marks ON (Teachers.Teacher\_Id=Marks.Teacher\_Id) LEFT JOIN Students ON (Student\_Id=Stud\_Id)

WHERE Students.Group\_Id<>(SELECT Gr\_id

FROM Groups JOIN Students ON (Group\_Id=Gr\_Id)

WHERE Gr\_Name='3021'

GROUP BY Gr\_Id)

GROUP BY Teachers.Teacher\_Id, Teachers.Name, Teachers.Surname

1.d

CREATE VIEW Exercise1d AS

(

SELECT Students.Name,Students.Surname

FROM Students JOIN Marks ON (Student\_Id=Stud\_Id)

WHERE Disc\_Id=( SELECT Discipline\_id

FROM Disciplines

WHERE Disc\_name='Databases' )

)

EXCEPT

(

SELECT Students.Name,Students.Surname

FROM Students JOIN Marks ON (Student\_Id=Stud\_Id)

WHERE Disc\_Id=( SELECT Discipline\_id

FROM Disciplines

WHERE Disc\_name='Computer Programming' )

)

1.e

CREATE VIEW Exercise1e AS

SELECT Name,Surname

FROM Teachers JOIN Marks on (Teachers.Teacher\_Id=Marks.Teacher\_Id) JOIN Disciplines ON (Disc\_Id=Discipline\_Id)

WHERE Disc\_Id=( SELECT Discipline\_id

FROM Disciplines

WHERE Disc\_name='Mathematics' )

c.

ALTER VIEW Exercise1a AS

SELECT Name,Surname,Group\_Id,Disc\_name,Date\_of\_Exam,Mark

FROM Students JOIN Marks ON (Student\_Id=Stud\_Id) JOIN Disciplines ON (Disc\_Id=Discipline\_Id)

WHERE Disc\_Id=( SELECT Discipline\_id

FROM Disciplines

WHERE Disc\_name='Databases' )

d.

USE Exams

UPDATE [Exercise1e]

SET dbo.Exercise1e.Name = 'Pop'

WHERE dbo.Exercise1e.Name = 'Popescu' AND dbo.Exercise1e.Surname = 'Maria'