1.

USE Exams

GO

CREATE VIEW first\_point AS

SELECT Name, Surname, Gr\_Name, Disc\_name, Date\_of\_Exam, Mark

FROM (Students JOIN Groups ON Group\_Id=Gr\_Id) JOIN (Marks JOIN Disciplines ON Disc\_Id=Discipline\_Id)

ON Stud\_Id=Student\_Id

CREATE VIEW second\_point AS

SELECT Name, Surname, CASE COUNT(ALL Mark)

WHEN 0 THEN 'no discipline'

ELSE Disc\_name END AS discipline

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

LEFT JOIN Disciplines ON Disc\_Id=Discipline\_Id

GROUP BY Name, Surname, Disc\_name

CREATE VIEW third\_point AS

SELECT Name, Surname

FROM Teachers

WHERE Name NOT IN (SELECT t.Name

FROM (Marks JOIN Teachers AS t ON Teachers.Teacher\_Id= Marks.Teacher\_Id)

JOIN (Students JOIN Groups ON Group\_Id=Gr\_Id) ON Stud\_Id=Student\_Id

WHERE Gr\_Name='3021') AND

Surname NOT IN (SELECT t2.Surname

FROM (Marks JOIN Teachers AS t2 ON Marks.Teacher\_Id=t2.Teacher\_Id)

JOIN(Students JOIN Groups ON Group\_Id=Gr\_Id) ON Stud\_Id=Student\_Id

WHERE Gr\_Name='3021')

GROUP BY Name, Surname

CREATE VIEW fourth\_point AS

SELECT Name, Surname FROM Students

WHERE Stud\_Id IN (SELECT Student\_Id

FROM Marks JOIN Disciplines ON Disc\_Id=Discipline\_Id

WHERE Disc\_name='Databases') AND

Stud\_Id NOT IN (SELECT Student\_Id

FROM Marks JOIN Disciplines ON Disc\_Id=Discipline\_Id

WHERE Disc\_name='Computer Programming')

CREATE VIEW fifth\_point AS

SELECT Name, Surname

FROM (Marks JOIN Teachers ON Marks.Teacher\_Id=Teachers.Teacher\_Id)

JOIN Disciplines ON Discipline\_Id=Disc\_Id

WHERE Disc\_name LIKE '%Mathematics%'

2.

USE Exams

GO

ALTER VIEW first\_point AS

SELECT Name, Surname, Gr\_Name, Disc\_name, Date\_of\_Exam, Mark

FROM (Students JOIN Groups ON Group\_Id=Gr\_Id) JOIN (Marks JOIN Disciplines ON Disc\_Id=Discipline\_Id)

ON Stud\_Id=Student\_Id

WHERE Disc\_name='Databases'

3.

USE Exams

UPDATE fifth\_point

SET Name='Popescu'

FROM fifth\_point

WHERE Name='Pop' AND Surname='Maria'

4.

USE Exams

IF EXISTS(SELECT 1 FROM Marks JOIN Disciplines ON Disc\_Id=Discipline\_Id

WHERE Disc\_name='Computer Programming')

(SELECT Name, Surname

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

JOIN Students ON Stud\_Id=Student\_Id

WHERE Disc\_name='Computer Programming')

ELSE PRINT 'There is nobody that sustained this exam.'