CREATE TABLE Student(

Id INT IDENTITY,

Name NVARCHAR(100),

PRIMARY KEY CLUSTERED (Id),

);

CREATE TABLE Graduates(

Id INT IDENTITY,

StudentId INT,

Faculty NVARCHAR(100),

Kafedra NVARCHAR(100),

Speciality NVARCHAR(100),

Level NVARCHAR(100),

EntryDate DATETIME,

EndDate DATETIME,

PRIMARY KEY CLUSTERED (Id),

CONSTRAINT FK\_Student\_Id FOREIGN KEY (StudentId) REFERENCES Student (Id) ON DELETE CASCADE ON UPDATE CASCADE,

);

CREATE TABLE Jobs(

Id INT IDENTITY,

StudentId INT,

WorkPlace NVARCHAR(100),

Position NVARCHAR(100),

AcceptanceDate DATETIME,

EndDate DATETIME,

PRIMARY KEY CLUSTERED (Id),

CONSTRAINT FK\_Student1\_Id FOREIGN KEY (StudentId) REFERENCES Student (Id) ON DELETE CASCADE ON UPDATE CASCADE,

);

INSERT INTO Student (Name )

VALUES

('Parkhomenco'),

('Moroz'),

('Pryidun'),

('Moshchytska')

INSERT INTO Graduates(StudentId, Faculty, Kafedra, Speciality, Level, EntryDate, EndDate)

VALUES

(1,'FIOT','asoiu','126','Bachelor', '20140901','20180622'),

(1,'FIOT','asoiu','121','Master', '20180901','20200622'),

(2, 'VPI','dfk','022','Bachelor','20170901','20190622'),

(3, 'FMF','maty','112','Bachelor','20180901','20200622'),

(4,'FMM','mm','122','Bachelor','20160901','20180122')

INSERT INTO Jobs(StudentId, WorkPlace, Position, AcceptanceDate, EndDate)

VALUES

(1,'DataArt','Developer', '20161001','20170322'),

(1,'SoftServe','Developer', '20170601','20181110'),

(1,'Epam','Developer', '20181201','20191010'),

(1,'GlobalLogic','Developer', '20191101','20200303'),

(1,'Google','Developer', '20200306',NULL),

(2, 'DataArt','Designer','20180901','20200617'),

(3, 'AES','Physicist','20190302',NULL),

(4,'Google','Manager','20180901','20200122')

SELECT Jobs.Position, COUNT(Jobs.Position) AS Number FROM Jobs

INNER JOIN

(SELECT Student.Id, Graduates.Faculty

FROM Student INNER JOIN Graduates ON Student.Id= Graduates.StudentId

WHERE Graduates.Faculty='FIOT'

GROUP BY Student.Id, Graduates.Faculty) AS S

ON Jobs.StudentId=S.Id

GROUP BY Jobs.Position

HAVING COUNT(Jobs.Position)>= ALL(

SELECT COUNT(Jobs.Position) FROM Jobs

INNER JOIN

(SELECT Student.Id, Graduates.Faculty

FROM Student INNER JOIN Graduates ON Student.Id= Graduates.StudentId

WHERE Graduates.Faculty='FIOT'

GROUP BY Student.Id, Graduates.Faculty) AS S

ON Jobs.StudentId=S.Id

GROUP BY Jobs.Position)