Problem Statement:

A college needs to develop a system to allocate open elective subjects to system would work is that each student is allowed 5 choices with the resp indicates the first preference number 2 indicates second preference and s be allotted on the basis of the students GPA, which means the student wi are alloted the subject they want .Every subject has a limited number of and all of them are filled then the student would not be alloted his first pr be checked, if the second preference is full as well then the third preferno would be repeated till the student is alloted a subject of his/her chocie.If student has selected are already full,then the student would be considere marked so. For example,Mohit has filed his choices with respective perefi

Note: Studentid and Subjectid are foreign keys in this table .
 A single Student cannot select the same subject twice.
 Table Name: StudentPreference

Studentid	Subjectid
159103036	P01491
159103036	P01492
159103036	P01493
159103036	P01494
159103036	P01495

Table Name:SubjectDetails
 Note Subjectıd is the primary key for this table

Subjectid	SubjectName
P01491	Basics of Political Science
P01492	Basics of Accounting
P01493	Basics of Financial Markets
P01494	Eco philosophy
P01495	Automotive Trends

Table Name : StudentDetails
 Note: StudentId is the primary key for this table

Studentid	StudentName
159103036	Mohit Agarwal
159103037	Rohit Agarwal
159103038	Shohit Garg
159103039	Mrinal Malhotra
159103040	Mehreet Singh
159103041	Arjun Tehlan

Final Resultant table if the student has been alloted to a subject
Table Name : Allotments

Subjectid	Studentid
P01491	159103036

Final resultant table if the student is unalotted:
Table Name: UnallotedStudents

Studentid
159103036

Task is to write a stored procedure to assign all the students to respective
acording the above stated workflow

its respective students.The way the
...ective preference where number 1
...so on, the subjects are supposed to
...ith students with the highest GPAs
...seats so if a subject has 60 seats
...refernce but instead second would
...ce would be checked, this process
...in case all the preferences that the
...ed as unalloted and would be
...ences and they are as following:

Preference
1
2
3
4
5

MaxSeats	RemainingSeats
60	2
120	119
90	90
60	50
60	60

GPA	Branch
8.9	CCE
5.2	CCE
7.1	CCE
7.9	CCE
5.6	CCE
9.2	CCE

e subject

Section
A
A
B
A
A
B