SQL SERVER 2016 Project
Private Tutors Database

Project Scenario

You have to design a database normalized to 3NF based on the description below.
A company provides private tutors. The company is going to build a database for their registered private tutor information.

Each tutor has a preferred subject/s what s/he excels at and location/s where s/he wants to provide tuition service. A tutor also has to choose what level of students (such as O level, A level, HSC, SSC) s/he wants to teach.

Tutors must have a primary contact number and one secondary contact or email address or both.
The company registers a limited number of tutors per subject based on actual demand. The limit varies with subjects. Default limit is 3. A sample of records of the limits is like below.

Subject	Limit
Mathematics	6
English	5

A sample data is available for better understanding

Tutor Name	Primary Contact	Secondary Contact	Email	Pref. Subject	Class level	Pref. Location
Rahmatullah Muzahid	01934675987	01713000123	rmuzahid@gmail.com	Mathematics, Physics, Chemistry	A-Level	Mirpur
Kaiser Faisal	01934612612		faisal@gmail.com	Mathematics, Physics, Chemistry	HSC	Gulshan, Banana, Uttara
Azad Ahmed	01751123123	01673000123		Mathematics, Physics, Chemistry	SSC	Mirpur, Tejgao, Muhammadpur

Some key implementation requirements:
- Provide a way to Insert subject along with the limit on the subject
- Default and check constraints must be implemented in procedural ways.
- When inserting a tutor limit must be validated.
- If a tutor has the preferred level is children or up to class 5 his subject is automatically set to all subjects
- They must be a way to extract tutor information including subject, location in a comma separated string as shown in sample data.
- They must be a way to prevent deletion of a location or subject if there is any related book.
- There must be a way to fetch paged tutor data.

- A produce or function to fetch tutor information which shows primary contact and secondary contact or email only if secondary contact is not available

You must use views, stored procedures, all types of UDF, triggers.