Abstract:

1. Create a Studenttable
2. Create the Subjectstable
3. Create the Lecturerstable
4. Create Fee structuretable
5. Create departmentstable

Come up with the different fields each of these tables may hold and a

Schema diagram. Need to plan on the Primary key and the Foreign keys.

The association between them to be decided!

Next Steps:

1. Insert records intothem
2. To try out "where, distinct, truncate, alter, between, in, Like, having"clauses.
3. Difference between unique anddistinct
4. To do some Date operations. In one of the above tables to have a datefield!
5. Finally to try out the different join types (Inner, Outer, Left, Rightetc)

STUDENT TABLE

SL NO	FIELDS	DATA TYPE	CONSTRAINT	DESCRIPTION
1	Student_Id	Int	Primary key	Unique id for each student
2	First_Name	Varchar		First name of the student
3	Middle_Name	Varchar		Middle name of the student
4	Last_Name	Varchar		First name of the student
5	DOB	Date		Year of birth of the student
6	Blood_Group	Varchar		Blood group of the student
7	Aadhar_No	Int		Aadhar Number of the student
8	Guardian_Name	Varchar		Name of the Guardian
9	Guardian_Info	Int		Contact number of the Guadian

SUBJECT TABLE

SL NO	FIELDS	DATA TYPE	CONSTRAINT	DESCRIPTION
1	Subject_Id	Int	Primary Key	Unique id for each subject
2	Subject_Name_1	Varchar		Name of Subject 1
3	Subject_Name_2	Varchar		Name of Subject 2
4	Total_Marks	Int		Total marks of the Subjects
5	Student_Id	Int	Foreign Key	Id of corresponding student
6	Lecturer_Id	Int	Foreign Key	Id of corresponding Lecturer

LECTURER TABLE

SL NO	FIELDS	DATA TYPE	CONSTRAINT	DESCRIPTION
1	Lecturer_Id	Int	Primary Key	Unique id
2	Lecturer_Name	Varchar		Name of lecturer
3	YOJ	Date		Year of join
4	Subject_Id	Int	Foreign Key	Id of corresponding subject
5	Department_Id	Int	Foreign Key	Id of corresponding department

DEPARMENT TABLE

SL NO	FIELD	DATA TYPE	CONSTRAINT	DESCRIPTION
1	Department_Id	Int	Primary Key	Unique id
2	Department_Name	Varchar		Name of department
3	Total_No_Of_Faculty	Int		Total number of faculty
4	Hod_Info	Int		Contact number of Hod
5	Hod_Name	Varchar		Name of Hod

FEE STRUCTURE TABLE

SL NO	FIELD	DATA TYPE	CONSTRAINT	DESCRIPTION
1	Fee_Amount	Int	Primary Key	Unique id
2	Due_Date	Date		Due date of fee
3	Student_Id	Int	Foreign Key	Id of corresponding student
4	Student_Name	Varchar	Foreign Key	Name of corresponding student

ER DIAGRAM