**Create a School Database**

**DESCRIPTION**

Using SQL Server MMC, create tables and indexes for storing students, subjects and classes data

****Background of the problem statement:****

Rainbow School is creating software for school management. The first stage is to design a database in SQL Server which will manage all the data. This database will then be used in the web-based application for school management.

****Tables:****

The following master tables will be created:

Student – store all student data across multiple classes

Subjects – master list of subjects taught in all classes

Classes – list of classes in the school

**SQL Queries:**

create database Rainbow\_School

use Rainbow\_School

go

create table Class

(

ClassID int primary key,

ClassName varchar(5)

)

create table Students

(

StudentID int Primary key not null,

StudentName varchar(20),

ClassID int foreign key references Class(classid)

)

create table Subjects

(

SubjectID int primary key,

SubjectName varchar(50),

ClassID int foreign key references Class(ClassID)

)

insert into Class values(1,'11A'),(2,'11B'),(3,'11C'),(4,'11D')

insert into Students values(11,'Abram',1),(12,'David',2),(13,'Ram',3),(14,'Sahid',4),(15,'Ramy',3),(16,'Mohan',1)

insert into Subjects values(1,'Maths',1),(2,'Chemistry',2),(3,'Physics',2),(4,'Economics',4),(5,'Accounts',4)

select \* from Class

select \* from Students

select \* from Subjects

**Output:**





