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1 • CREATE DATABASE SchoolManagementSystem;
2
3 • USE SchoolManagementSystem;
4
5 • CREATE TABLE Students (
6     StudentID INT PRIMARY KEY,
7     Name VARCHAR(50),
8     LastName VARCHAR(50),
9     DateOfBirth DATE
10 );
11
12 • CREATE TABLE Courses (
13     CourseID INT PRIMARY KEY,
14     Title VARCHAR(50),
15     Credits INT
16 );
17
18 • CREATE TABLE Enrollments (
19     EnrollmentID INT PRIMARY KEY,
20     StudentID INT,
21     CourseID INT,
22     EnrollmentDate DATE,
23     FOREIGN KEY (StudentID) REFERENCES Students(StudentID),
24     FOREIGN KEY (CourseID) REFERENCES Courses(CourseID)
25 );
26
27 • CREATE TABLE Departments (
28     DepartmentID INT PRIMARY KEY,
29     Name VARCHAR(50)
30 );
31
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32 • ○ CREATE TABLE Instructors (
33     InstructorID INT PRIMARY KEY,
34     Name VARCHAR(50)
35 );
36
37 • ○ CREATE TABLE OfficeAssignments (
38     OfficeAssignmentID INT PRIMARY KEY,
39     InstructorID INT,
40     Location VARCHAR(50),
41     FOREIGN KEY (InstructorID) REFERENCES Instructors(InstructorID)
42 );
43
44 • ○ CREATE TABLE Grades (
45     GradeID INT PRIMARY KEY,
46     EnrollmentID INT,
47     GradeValue DECIMAL(5,2),
48     FOREIGN KEY (EnrollmentID) REFERENCES Enrollments(EnrollmentID)
49 );
50
51 • ○ CREATE TABLE Attendances (
52     AttendanceID INT PRIMARY KEY,
53     EnrollmentID INT,
54     AttendanceDate DATE,
55     FOREIGN KEY (EnrollmentID) REFERENCES Enrollments(EnrollmentID)
56 );
57
58 • ○ CREATE TABLE Fees (
59     FeeID INT PRIMARY KEY,
60     StudentID INT,
61     FeeAmount DECIMAL(10,2),
62     FOREIGN KEY (StudentID) REFERENCES Students(StudentID)
63 );
64
65 • INSERT INTO Students (StudentID, Name, LastName, DateOfBirth)
66 VALUES (1, 'John', 'Doe', '1995-01-01'),
67         (2, 'Jane', 'Doe', '1996-01-01'),
68         (3, 'Jim', 'Smith', '1997-01-01');
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70 • INSERT INTO Courses (CourseID, Title, Credits)
71     VALUES (1, 'Math', 3),
72             (2, 'English', 3),
73             (3, 'Science', 3);
74
75 • INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID, EnrollmentDate)
76     VALUES (1, 1, 1, '2022-01-01'),
77             (2, 1, 2, '2022-01-01'),
78             (3, 1, 3, '2022-01-01'),
79             (4, 2, 1, '2022-01-01'),
80             (5, 2, 2, '2022-01-01'),
81             (6, 2, 3, '2022-01-01'),
82             (7, 3, 1, '2022-01-01'),
83             (8, 3, 2, '2022-01-01'),
84             (9, 3, 3, '2022-01-01');
85
86 • INSERT INTO Departments (DepartmentID, Name)
87     VALUES (1, 'Math'),
88             (2, 'English'),
89             (3, 'Science');
90
91 • INSERT INTO Instructors (InstructorID, Name)
92     VALUES (1, 'Alice'),
93             (2, 'Bob'),
94             (3, 'Charlie');
95
96 • INSERT INTO OfficeAssignments (OfficeAssignmentID, InstructorID, Location)
97     VALUES (1, 1, 'Room 101'),
98             (2, 2, 'Room 201'),
99             (3, 3, 'Room 301');
100
101 • INSERT INTO Grades (GradeID, EnrollmentID, GradeValue)
102     VALUES
103     (11, 1, 80.0),
104     (222, 2, 90.0),
105     (344, 3, 70.0),
106     (464, 4, 85.0),
107     (55, 5, 95.0),
108     (634, 6, 75.0),
109     (756, 7, 80.0),
110     (834, 8, 90.0),
111     (9325, 9, 70.0);
112

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113 • INSERT INTO Attendances (AttendanceID, EnrollmentID, AttendanceDate)
114 VALUES (1, 1, '2022-01-01'),
115          (2, 2, '2022-01-01'),
116          (3, 3, '2022-01-01'),
117          (4, 4, '2022-01-01'),
118          (5, 5, '2022-01-01'),
119          (6, 6, '2022-01-01'),
120          (7, 7, '2022-01-01'),
121          (8, 8, '2022-01-01'),
122          (9, 9, '2022-01-01');
123
124 • INSERT INTO Fees (FeeID, StudentID, FeeAmount)
125 VALUES (1, 1, 1000),
126          (2, 2, 1500),
127          (3, 3, 2000);

129 • ALTER TABLE Students
130 MODIFY DateOfBirth DATETIME;
131
132 • UPDATE Students
133 SET DateOfBirth = '1995-01-01 00:00:00'
134 WHERE StudentID = 1;
135
136 • ALTER TABLE Students
137 DROP COLUMN DateOfBirth;

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Action Output				
	#	Time	Action	Message
✓	1	16:48:34	CREATE DATABASE SchoolManagementSystem	1 row(s) affected
✓	2	16:48:40	USE SchoolManagementSystem	0 row(s) affected
✓	3	16:48:44	CREATE TABLE Students (StudentID INT PRIMARY KEY, Name VARCHAR(50), La...	0 row(s) affected
✓	4	16:49:16	CREATE TABLE Courses (CourseID INT PRIMARY KEY, Title VARCHAR(50), Credit...	0 row(s) affected
✓	5	16:49:16	CREATE TABLE Enrollments (EnrollmentID INT PRIMARY KEY, StudentID INT, Cour...	0 row(s) affected
✓	6	16:49:16	CREATE TABLE Departments (DepartmentID INT PRIMARY KEY, Name VARCHAR(50))	0 row(s) affected

Action Output				
	#	Time	Action	Message
✓	7	16:49:16	CREATE TABLE Instructors (InstructorID INT PRIMARY KEY, Name VARCHAR(50))	0 row(s) affected
✓	8	16:49:16	CREATE TABLE OfficeAssignments (OfficeAssignmentID INT PRIMARY KEY, Instructor...	0 row(s) affected
✓	9	16:49:16	CREATE TABLE Grades (GradeID INT PRIMARY KEY, EnrollmentID INT, GradeValu...	0 row(s) affected
✓	10	16:49:16	CREATE TABLE Attendances (AttendanceID INT PRIMARY KEY, EnrollmentID INT, ...	0 row(s) affected
✓	11	16:49:16	CREATE TABLE Fees (FeeID INT PRIMARY KEY, StudentID INT, FeeAmount DECI...	0 row(s) affected
✓	12	16:49:36	INSERT INTO Students (StudentID, Name, LastName, DateOfBirth) VALUES (1, 'John', 'Doe', ...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0

Action Output				
#	Time	Action	Message	
✓ 13	16:49:36	INSERT INTO Courses (CourseID, Title, Credits) VALUES (1, 'Math', 3), (2, 'English', 3), ...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	
✓ 14	16:49:36	INSERT INTO Enrollments (EnrollmentID, StudentID, CourseID, EnrollmentDate) VALUES (1, ...	9 row(s) affected Records: 9 Duplicates: 0 Warnings: 0	
✓ 15	16:49:36	INSERT INTO Departments (DepartmentID, Name) VALUES (1, 'Math'), (2, 'English'), ...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	
✓ 16	16:49:36	INSERT INTO Instructors (InstructorID, Name) VALUES (1, 'Alice'), (2, 'Bob'), (3, 'Cha...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	
✓ 17	16:49:36	INSERT INTO OfficeAssignments (OfficeAssignmentID, InstructorID, Location) VALUES (1, 1, ...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	
✓ 18	16:49:36	INSERT INTO Grades (GradeID, EnrollmentID, GradeValue) VALUES (11, 1, 80.0), (222, 2, 9...	9 row(s) affected Records: 9 Duplicates: 0 Warnings: 0	

Action Output				
#	Time	Action	Message	
✓ 18	16:49:36	INSERT INTO Grades (GradeID, EnrollmentID, GradeValue) VALUES (11, 1, 80.0), (222, 2, 9...	9 row(s) affected Records: 9 Duplicates: 0 Warnings: 0	
✓ 19	16:49:36	INSERT INTO Attendances (AttendanceID, EnrollmentID, AttendanceDate) VALUES (1, 1, '2...	9 row(s) affected Records: 9 Duplicates: 0 Warnings: 0	
✓ 20	16:49:36	INSERT INTO Fees (FeeID, StudentID, FeeAmount) VALUES (1, 1, 1000), (2, 2, 1500), ...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	
✓ 21	16:49:44	ALTER TABLE Students MODIFY DateOfBirth DATETIME	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	
✓ 22	16:49:48	UPDATE Students SET DateOfBirth = '1995-01-01 00:00:00' WHERE StudentID = 1	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	
✓ 23	16:49:51	ALTER TABLE Students DROP COLUMN DateOfBirth	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	

