

1.Insert into Departments table:

```
INSERT INTO Departments (DepartmentName) VALUES
```

```
('Computer Science'),
```

```
('Mathematics'),
```

```
('Physics');
```

Output:

	DepartmentID	DepartmentName
1	1	Computer Science
2	2	Mathematics
3	3	Physics


2.Insert Data into Students:


```
INSERT INTO Students (StudentName, Email, DOB, DepartmentID) VALUES
```


```
('Aarav Shah', 'aarav@example.com', '2002-03-15', 1),
```


```
('Mira Patel', 'mira@example.com', '2003-07-20', 2);
```


Output:




















Total rows loaded: 2

	StudentID	StudentName	Email	DOB	DepartmentID
1	NULL	Aarav Shah	aarav@example.com	2002-03-15	1
2	NULL	Mira Patel	mira@example.com	2003-07-20	2

3. Insert Data into Courses:

```
INSERT INTO Courses (CourseName, Credits, DepartmentID, TeacherID) VALUES
```

```
('Database Systems', 4, 1, NULL),
```

```
('Linear Algebra', 3, 2, NULL),
```

```
('Quantum Mechanics', 4, 3, NULL);
```

Output:

	CourseID	CourseName	Credits	DepartmentID	TeacherID
1	NULL	Database Systems	4	1	NULL
2	NULL	Linear Algebra	3	2	NULL
3	NULL	Quantum Mechanics	4	3	NULL

1. Update Data into Student table:

UPDATE Students

SET Email = 'aarav.shah@example.com'

WHERE StudentName = 'Aarav Shah';

Output:

	StudentID	StudentName	Email	DOB	DepartmentID
1	1	Aarav Shah	aarav.shah@example.com	2002-03-15	1
2	2	Mira Patel	mira@example.com	2003-07-20	2

1.Delete Data into student table:

DELETE FROM Students

WHERE StudentID IS 2;

Output:

	StudentID	StudentName	Email	DOB	DepartmentID
1	1	Aarav Shah	aarav.shah@example.com	2002-03-15	1