

```
create database scaler;
```

```
use scaler;
```

```
create table students (  
    id int auto_increment,  
    first_name varchar(50) not null,  
    last_name varchar(50) default "kumar",  
    email varchar(100) not null unique,  
    date_of_birth date,  
    enrollment_date timestamp not null,  
    psp decimal(3,2) default 0,  
    batch_id int default 1,  
    is_active boolean not null,  
    primary key(id)  
);
```

```
insert into students(first_name, last_name, email, date_of_birth,  
enrollment_date, psp, batch_id, is_active)  
values  
("ujjwal", "jindal", "ujjwal@scaler.com", '1997-08-05',  
current_timestamp(), 9.00, 1, 1);
```

```
select * from students;
```

```
drop table students;
```

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```

```
create table batches (  
    batch_id INT PRIMARY KEY,  
    batch_name VARCHAR(50) NOT NULL  
);
```

```
INSERT INTO batches(batch_id, batch_name)  
VALUES  
(1, "batch_a"),  
(2, "batch_b"),  
(3, "batch_c");
```

```
CREATE TABLE students (  
    student_id INT AUTO_INCREMENT PRIMARY KEY,  
    first_name VARCHAR(50) NOT NULL,  
    last_name VARCHAR(50) NOT NULL,  
    batch_id INT,  
    foreign key (batch_id) references batches(batch_id)  
    on delete cascade  
    on update cascade  
);
```

```
select * from students;
```

```
INSERT INTO students(first_name, last_name, batch_id) VALUES  
('John', 'Doe', 1),  
('Jane', 'Doe', 1),  
('Jim', 'Brown', 2),
```

```
('Jenny', 'Smith', 3),  
('Jack', 'Johnson', 2);
```

```
DELETE FROM batches WHERE batch_id=1;
```

```
UPDATE batches SET batch_id = 5 WHERE batch_id=2;
```

```
ALTER TABLE students  
ADD FOREIGN KEY (batch_id)  
REFERENCES batches(batch_id);
```