Deleting Data

**SQLSTATE[23000]: Integrity constraint violation: 1451 Cannot delete or update a parent row: a foreign key constraint fails (eliapi8.likes, CONSTRAINT likes\_post\_id\_foreign FOREIGN KEY (post\_id) REFERENCES posts (id)) (SQL: delete from posts where id = 149)**

**2 ways we can fix this**

**1. Using Model Events**

BlogPost.php

protected $guarded=[''];

public function comment(){

return $this->hasMany('App\Comment');

}

public static function boot(){

parent::boot();

static::deleting(function (BlogPost $blogPost){

// dd('I was deleted');

$blogPost->comment()->delete();

});

}

**2. In Comments tabel migration-Easiest way**

$table->foreign('blog\_post\_id')->references('id')->on('blog\_posts')->onDelete('cascade');

**3.Similar to second but in as different way**

**php artisan make:migration add\_cascade\_delete\_to\_comments\_table**

**public function up()**

**{**

**Schema::table('comments', function (Blueprint $table) {**

**$table->dropForeign(['blog\_post\_id']);**

**$table->foreign('blog\_post\_id')**

**->references('id')**

**->on('blog\_posts')**

**->onDelete('cascade');**

**});**

**}**

**public function down()**

**{**

**Schema::table('comments', function (Blueprint $table) {**

**$table->dropForeign(['blog\_post\_id']);**

**$table->foreign('blog\_post\_id')**

**->references('id')**

**->on('blog\_posts');**

**});**

**}**

**Soft Delete**

php artisan make:migration add\_soft\_deletes\_to\_blog\_posts\_table;

in BlogPost.php

use Illuminate\Database\Eloquent\SoftDeletes;

Use SoftDeletes;

**Querying SoftDeletes**

**php artisan tinker**

**To pluck an id**

$posts=BlogPost::all()->pluck('id');

**To get all the thrashed models**

**To get all ids including the ones deleted**

BlogPost::withTrashed()->get()->pluck('id');

**To only get ids of Trashed models or the posts which were deleted**

$posts=BlogPost::onlyTrashed()->get();

**To get all the infos including trashed**

$all=BlogPost::withTrashed()->get();

$post=$all->find(20);

To check whether its trashed or not

$post->trashed();

**Restoring softDelete**

First we should also make comments soft deleted

php artisan make:migration add\_soft\_deletes\_to\_comments\_table

To get BlogPost that has 1 comment the first one and only one

$post=BlogPost::has('comment')->get()->first();

if we want to delete this post it will return true

$post->delete();

to Retsore the particular BlogPost

$post->restore();

in BlogPost.php

public static function boot()

{

parent::boot();

static::deleting(function (BlogPost $blogPost) {

$blogPost->comment()->delete();

});

static::restoring(function (BlogPost $blogPost) {

$blogPost->comment()->restore();

});

}

**If you want to delete them permanently**

**$post->forceDelete();**