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Laravel 7.x Eloquent Cheat Sheet |Eloquent ORM

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Laravel Eloquent ORM Cheat Sheet. This tutorial provide you all the laravel eloquent ORM.

Select

```
1   ->select('col1','col2')                                                    ?
2   ->select(array('col1','col2'))
3   ->select(DB::raw('businesses.*, COUNT(reviews.id) as no_of_ratings, IFNULL(sum(reviews.
4   ->addSelect('col3','col4')
5   ->distinct() // distinct select
```

From

```
1   ->from('table')                                                            ?
2   ->from(DB::raw('table, (select @n :=0) dummy'))
3   ->from(DB::raw("({$subQuery->toSql()}) T ")->mergeBindings($subQuery->getQuery())
```

Where

```
1   ->where('column','value')                                                  ?
2   ->where('column','LIKE','%'.$value.'%')
3   ->where(function ($query) {
4     $query->where('a', '=', 1)
5         ->orWhere('b', '=', 1);
6   })
7   ->orWhere('column','!=', 'value')
8   ->whereRaw('age > ? and votes = 100', array(25))
9
10  ->whereRaw(DB::raw("id in (select city_id from addresses GROUP BY addresses.city_id)")
11
12  ->whereExists(function($query)
13  {
14    $query->select(DB::raw(1))
15        ->from('business_language')
16        ->whereRaw('business_language.language_id = languages.id')
17        ->groupBy('business_language.language_id')
18        ->havingRaw("COUNT(*) > 0");
19  })
20  ->orWhereExists()
21  ->whereNotExists()
22  ->orWhereNotExists()
23
24  ->whereIn('column',[1,2,3])
25  ->orWhereIn()
26  ->whereNotIn('id', function($query){
27    $query->select('city_id')
28     ->from('addresses')
29     ->groupBy('addresses.city_id');
30  })
31  ->whereNotIn()
32  ->orWhereNotIn
33
34  ->whereNull('column') //where `column` is null
35  ->orWhereNull('column') //or where `column` is null
36  ->whereNotNull('column')  //where `column` is not null
37  ->orWhereNotNull('column')  //or where `column` is not null
38
39  ->whereDay()
40  ->whereMonth('column', '=', 1) //
```

```
41   ->whereYear('column', '>', 2000) //uses sql YEAR() function on 'column'
42   ->whereDate('column', '>', '2000-01-01')
```

Joins

```
1   ->join('business_category','business_category.business_id','=','businesses.id')        ?
2   ->leftJoin('reviews','reviews.business_id', '=', 'businesses.id')
3   ->join('business_category',function($join) use($cats) {
4     $join->on('business_category.business_id', '=', 'businesses.id')
5       ->on('business_category.id', '=', $cats, 'and', true);
6   })
7   ->join(DB::raw('(SELECT *, ROUND(AVG(rating),2) avg FROM reviews WHERE rating!=0 GROUP
8     $join->on('genre_relation.movie_id', '=', 'T.id')
9   })
```

Eager Loading

```
1   ->with('table1','table2')                                                              ?
2   ->with(array('table1','table2','table1.nestedtable3'))
3   ->with(array('posts' => function($query) use($name){
4     $query->where('title', 'like', '%'.$name.'%')
5       ->orderBy('created_at', 'desc');
6   }))
```

Grouping

```
1   ->groupBy('state_id','locality')                                                       ?
2   ->havingRaw('count > 1 ')
3   ->having('items.name','LIKE',"%$keyword%")
4   ->orHavingRaw('brand LIKE ?',array("%$keyword%"))
```

Cache

```
1   ->remember($minutes)                                                                   ?
2   ->rememberForever()
```

Offset & Limit

```
1   ->take(10)                                                                             ?
2   ->limit(10)
3   ->skip(10)
4   ->offset(10)
5   ->forPage($pageNo, $perPage)
```

Order

```
1   ->orderBy('id','DESC')                                                                 ?
2   ->orderBy(DB::raw('RAND()'))
3   ->orderByRaw('type = ? , type = ? ', array('published','draft'))
4   ->latest() // on 'created_at' column
5   ->latest('column')
6   ->oldest() // on 'created_at' column
7   ->oldest('column')
```

Create

```
1   ->insert(array('email' => 'john@example.com', 'votes' => 0))                           ?
2   ->insert(array(
3     array('email' => 'taylor@example.com', 'votes' => 0),
4     array('email' => 'dayle@example.com', 'votes' => 0)
5   )) //batch insert
6   ->insertGetId(array('email' => 'john@example.com', 'votes' => 0)) //insert and return i
```

Update

```
1   ->update(array('email' => 'john@example.com'))                                         ?
```

```
2    ->update(array('column' => DB::raw('NULL')))
3    ->increment('column')
4    ->decrement('column')
5    ->touch() //update timestamp
```

Delete

```
1    ->delete()                                                              ?
2    ->forceDelete() // when softdeletes enabled
3    ->destroy($ids) // delete by array of primary keys
4    ->roles()->detach() //delete from pivot table: associated by 'belongsToMany'
```

Getters

```
1    ->find($id)                                                             ?
2    ->find($id, array('col1','col2'))
3    ->findOrFail($id)
4    ->findMany($ids, $columns)
5    ->first(array('col1','col2'))
6    ->firstOrFail()
7    ->all()
8    ->get()
9    ->get(array('col1','col2'))
10   ->getFresh() // no caching
11   ->getCached() // get cached result
12   ->chunk(1000, function($rows){
13     $rows->each(function($row){
14
15     });
16   })
17   ->lists('column') // numeric index
18   ->lists('column','id') // 'id' column as index
19   ->lists('column')->implode('column', ',') // comma separated values of a column
20   ->pluck('column')  //Pluck a single column's value from the first result of a query.
21   ->value('column')  //Get a single column's value from the first result of a query.
```

Paginated results

```
1    ->paginate(10)                                                         ?
2    ->paginate(10, array('col1','col2'))
3    ->simplePaginate(10)
4    ->getPaginationCount() //get total no of records
```

Aggregate

```
1    ->count()                                                              ?
2    ->count('column')
3    ->count(DB::raw('distinct column'))
4    ->max('rating')
5    ->min('rating')
6    ->sum('rating')
7    ->avg('rating')
8    ->aggregate('sum', array('rating')) // use of aggregate functions
```

Others

```
1    ->toSql() // output sql query                                          ?
2    ->exists() // check if any row exists
3    ->fresh() // Return a fresh data for current model from database
```

Object methods

```
1    ->toArray() //                                                         ?
2    ->toJson()
3    ->relationsToArray() //Get the model's relationships in array form.
4    ->implode('column', ',') // comma separated values of a column
5    ->isDirty()
6    ->getDirty() //Get the attributes that have been changed but not saved to DB
```

Debugging

```
1   DB::enableQueryLog();                                                                      ?
2   DB::getQueryLog();
3   Model::where()->toSql() // output sql query
```

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