yii笔记之数据模型关联查询

两个表之间有一个字段相匹配，则可以关联查询。
1：N关系则用hasMany()方法。
1：1关系则用hasOne()方法。

```php
<?php
namespace app\controllers;
use yii\web\Controller;
use app\models\Test;
use app\models\Customer;
use app\models\Order;

class HelloController extends Controller{

    public function actionIndex(){

        // 根据顾客查询他/她的订单的信息
        $customer = Customer::find()->where(['name'=>'zhangsan'])->one();
        $customer->hasMany('app\models\Order', ['customer_id'=>'id']);
    }
}
```

1：N关系

```php
<?php
namespace app\models;

use yii\db\ActiveRecord;
class Customer extends ActiveRecord{

    // 帮助顾客获取订单信息
    public function getOrders(){

        $orders = $this->hasMany(Order::className(), ['customer_id'=>'id'])->asArray()->all();
        return $orders;
    }
}
```

```php
<?php
namespace app\controllers;
use yii\web\Controller;
use app\models\Test;
use app\models\Customer;
use app\models\Order;

class HelloController extends Controller{

    public function actionIndex(){

        // 根据顾客查询他/她的订单的信息
        $customer = Customer::find()->where(['name'=>'zhangsan'])->one();
        // $orders = $customer->hasMany(Order::className(), ['customer_id'=>'id'])->asArray()->all();
        $orders = $customer->getOrders();

        print_r($orders);
    }
}
```

也可以用属性的方式来使用hasMany()方法，此方式要在方法中出去all（）方法，因为会自动补上all（）方法。

```php
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class HelloController extends Controller{

    public function actionIndex(){

        // 根据顾客查询他/她的订单的信息
        $customer = Customer::find()->where(['name'=>'zhangsan'])->one();
        // $orders = $customer->hasMany(Order::className(), ['customer_id'=>'id'])->asArray()->all();
        // $orders = $customer->getOrders();
        $orders = $customer->orders;

        print_r($orders);
    }
}
```

getOrders()

__get()

all()

1:1关系

```php
<?php
namespace app\models;

use yii\db\ActiveRecord;
class Order extends ActiveRecord{

    // 根据订单查询顾客的信息
    public function getCustomer(){

        return $this->hasOne(Customer::className(), ['id'=>'customer_id'])->asArray();
    }
}
```

```php
<?php
namespace app\controllers;
use yii\web\Controller;
use app\models\Test;
use app\models\Customer;
use app\models\Order;

class HelloController extends Controller{

    public function actionIndex(){

        // 根据顾客查询他/她的订单的信息
        // $customer = Customer::find()->where(['name'=>'zhangsan'])->one();
        // $orders = $customer->hasMany(Order::className(), ['customer_id'=>'id'])->asArray()->all();
        // $orders = $customer->getOrders();
        // $orders = $customer->orders;

        // 根据订单查询顾客的信息
        $order = Order::find()->where(['id'=>1])->one();
        $customer = $order->customer;

        print_r($orders);
    }
}
```

getCustomer()

one()

```php
<?php
namespace app\controllers;
use yii\web\Controller;
use app\models\Test;
use app\models\Customer;
use app\models\Order;

class HelloController extends Controller{

    public function actionIndex(){

        // 根据顾客查询他/她的订单的信息
        // $customer = Customer::find()->where(['name'=>'zhangsan'])->one();
        // $orders = $customer->hasMany(Order::className(), ['customer_id'=>'id'])->asArray()->all();
        // $orders = $customer->getOrders();
        // $orders = $customer->orders;

        // 根据订单查询顾客的信息
        $order = Order::find()->where(['id'=>1])->one();
        $customer = $order->customer;

        print_r($customer);
    }
}
```

with()方法

```php
84    //        $articles = Article::find()->where(['cate_id'=>$category->attributes['id']])->all()
85    //        $articles = $category->hasMany(Article::className(), ['cate_id'=>'id'
86    //        $articles =  $category->getArticles();
87    //        $articles =  $category->articles;
88    //        dd($articles);
89
90    //        $article = Article::findOne(1);
91    //        $category = $article->hasOne('app\models\Category', ['id'=>'cate_id'])->all();
92
93        //join
94        $articles = Article::find()->with('category')->asArray()->all();
95    //        select * from article(100)
96
97    //        foreach ($articles as $article){
98    //            //select * from category where id = 1/2
99    //            $category[] = $article->category;
100   //        }
101        dd($articles);
102
103        return $this->render('about');
104    }
```