



链滴

category动态添加属性

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原文链接: <https://ld246.com/article/1457613679163>

来源网站: [链滴](#)

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```
<pre class="prettyprint">@interface MyClass (Category)
    @property (strong, nonatomic) NSString* text;
@end
```

Then you need to implement a getter and setter method using an associated object and the set selector as the key (see original answer):

```
@implementation MyClass (Category)
- (NSString*) text {
    return objc_getAssociatedObject(self, @selector(text));
}

- (void)setText: (NSString) text {
    objc_setAssociatedObject(self, @selector(text), text, OBJC_ASSOCIATION_RETAIN_NONATOMIC);
}
@end
```

Using macros

Now, using a macro you will write instead:

```
@implementation MyClass (Category)

CATEGORY_PROPERTY_GET_SET(NSString*, text, setText:)

@end
<br><br />#define CATEGORY_PROPERTY_GET(type, property) - (type) property { return objc_getAssociatedObject(self, @selector(property)); }
#define CATEGORY_PROPERTY_SET(type, property, setter) - (void) setter (type) property { objc_setAssociatedObject(self, @selector(property), property, OBJC_ASSOCIATION_RETAIN_NONATOMIC); }
#define CATEGORY_PROPERTY_GET_SET(type, property, setter) CATEGORY_PROPERTY_GET(type, property) CATEGORY_PROPERTY_SET(type, property, setter)

#define CATEGORY_PROPERTY_GET_NSNUMBER_PRIMITIVE(type, property, valueSelector) - (type) property { return [objc_getAssociatedObject(self, @selector(property)) valueSelector]; }
#define CATEGORY_PROPERTY_SET_NSNUMBER_PRIMITIVE(type, property, setter, numberSelector) - (void) setter (type) property { objc_setAssociatedObject(self, @selector(property), [NSNumber numberWithInt: property], OBJC_ASSOCIATION_RETAIN_NONATOMIC); }

#define CATEGORY_PROPERTY_GET_UINT(property) CATEGORY_PROPERTY_GET_NSNUMBER_PRIMITIVE(unsigned int, property, unsignedIntValue)
#define CATEGORY_PROPERTY_SET_UINT(property, setter) CATEGORY_PROPERTY_SET_NSNUMBER_PRIMITIVE(unsigned int, property, setter, numberWithInt)
#define CATEGORY_PROPERTY_GET_SET_UINT(property, setter) CATEGORY_PROPERTY_GET_UINT(property) CATEGORY_PROPERTY_SET_UINT(property, setter)</pre>
```