

# ORM

```
type Value = *gvar.Var //
type Record map[string]Value //
type Result []Record //
```

1. Value/Record/ResultORM
2. ResultRecordValue
3. Value\*gvar.Var

## Record

<https://godoc.org/github.com/gogf/gf/database/gdb>

gdbmap/struct

```
CREATE TABLE `user` (
  `uid` int(10) unsigned NOT NULL AUTO_INCREMENT,
  `name` varchar(30) NOT NULL DEFAULT '' COMMENT '',
  `site` varchar(255) NOT NULL DEFAULT '' COMMENT '',
  PRIMARY KEY (`uid`)
) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8;
```

```
uid  name  site
1    john  https://goframe.org
```

```
package main

import (
    "database/sql"
    "github.com/gogf/gf/frame/g"
)

type User struct {
    Uid int
    Name string
}

func main() {
    var user *User
    err := g.DB().Table("user").Where("uid", 1).Scan(&user)
    if err != nil && err != sql.ErrNoRows {
        g.Log().Header(false).Fatal(err)
    }
    if user != nil {
        g.Log().Header(false).Println(user)
    }
}
```

```
{"Uid":1,"Name":"john"}
```

structUidNameORM

gdb.Model.Scanstructstruct&user\*\*Userstruct[]\*User

mapuid,name,siteststructUid,Name

1. struct()
2. -/\_/ struct
- 3.

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```

struct
name      Name      match
Email     Email     match
nickname  NickName   match
NICKNAME  NickName   match
Nick-Name NickName   match
nick_name NickName   match
nick_name Nick_Name  match
NickName  Nick_Name  match
Nick-Name Nick_Name  match

```

```

structgconv.Struct -Struct

```

## Result

Result/RecordMap/ListJSON/XML

<https://godoc.org/github.com/gogf/gf/database/gdb>

```

Record.MapResult.ListORM[ ]byteValue gvar () ResultRecordjsonxml

```

```

package main

import (
    "database/sql"
    "github.com/gogf/gf/frame/g"
)

type User struct {
    Uid int
    Name string
    Site string
}

func main() {
    var user []*User
    err := g.DB().Table("user").Where("uid", 1).Scan(&user)
    if err != nil && err != sql.ErrNoRows {
        g.Log().Header(false).Fatal(err)
    }
    if user != nil {
        g.Log().Header(false).Println(user)
    }
}

```

```

[{"Uid":1,"Name":"john","Site":"https://goframe.org"}]

```