


??? ????????????

??
[??](#) · ?? 14  ????? 8 ??

??? ????????????

??? ????????????

?????

???????Unique?PrimaryKey?IdKey???

```

????SQL???InterSystems IRIS?????????????
InterSystems IRIS?????IdKey?????(????)?????ID?
???????Unique?PrimaryKey?IdKey?????:
- Unique -?????????????????????????
?????????????(?)?????????????
?????????????????
?????????????????????????????????;
?????????SQLUPPER?????????????????
?????????????????????????????
??SQL?????????????????????
- PrimaryKey -?????????????????????????
- IdKey -?????????????????????????(?)?????
IdKey????????????????????????string?????

```

?????????????????????:

```

Class MyApp.SampleTable Extends %Persistent [DdlAllowed]
{
  Property Prop1 As %String;
  Property Prop2 As %String;
  Property Prop3 As %String;

  Index Prop1IDX on Prop1 [ Unique ];
  Index Prop2IDX on Prop2 [ PrimaryKey ];
  Index Prop3IDX on Prop3 [ IdKey ];
}

```

?:IdKey?PrimaryKey?Unique????????????? ?????????????????????

?????IdKey?PrimaryKey?????????????:

```

Index IDPKIDX on Prop4 [ IdKey, PrimaryKey ];

```

???????IDPKIDX?????(?)?IdKey?????????

????????????????????

??;

??SQL???

??????????SQL??????????:

```
Class Sample.TextBooks Extends %Persistent [DdlAllowed]
{
  Property BookName As %String;
  Property SampleText As %String(MAXLEN=5000);

  Index NameIDX On BookName [ IdKey ];
  Index SQLSrchIDX B On (SampleText) As %iFind.Index.Basic;
  Index SQLSrchIDX S On (SampleText) As %iFind.Index.Semantic;
  Index SQLSrchIDX A On (SampleText) As %iFind.Index.Analytic;
}
```

????????

????index Data??:

```
Class Sample.Person Extends %Persistent [DdlAllowed]
{
  Property Name As %String;
  Property SSN As %String(MAXLEN=20);

  Index NameIDX On Name [Data = Name];
}
```

????????NameIDX????????Name????(??)????????????????????????????????SQL??Sample.Person????????????????Sample.Person
????????????????????

?????????(????????????)?????(????????????)????????????????????????????

????????????Sample.Person??????

SQL????????NameIDX????????????????????????????????

« 向导 » 操作 » 打开表 文档 »

目录详情 执行查询 浏览 此命名空间内的 SQL 语句

执行 显示计划 显示历史记录 查询生成器 显示模式 最大值 1000 更多

SELECT Name FROM Sample.Person ORDER BY Name

执行计划显示如下:

语句文本

DECLARE QRS CURSOR FOR SELECT Name FROM Sample . Person ORDER BY Name

查询计划

相对成本 = 1430

- Read index map Sample.Person.NameIDX, looping on %SQLUPPER(Name) and ID.
- For each row:
 Output the row.

????????????????????

??null

????????????????NULL(????????)????????????NULL????????????

????????????????-1E14?

????????????????????????????

%Library.BigInt????????-1E14????????????%BigInt????????-1E14????????BigInt????????????%BigInt????????????????????
?????INDEXNULLMARKER????????????????NULL????????????????????????????

Property ExtremeNums As %Library.BigInt(INDEXNULLMARKER = "-1E19");

????????????????????NULL????????


```

/// ??????:????????????????
///
/// (??DescriptiveWords????????????????)
ClassMethod DescriptiveWordsBuildValueArray(
    Words As %Library.String = "",
    ByRef wordArray As %Library.String)
    As %Status {
If Words '= "" {
    For tPointer = 1:1:$Length(Words,",") {
        Set tWord = $Piece(Words,",",tPointer)
        If tWord '= "" {
            Set wordArray(tPointer) = tWord
        }
    }
}
Else {
    Set wordArray("TODO") = "Enter keywords for this person"
}
Quit $$$OK
}

```

```

????dwIDX????DescriptiveWords??
DescriptiveWordsBuildValueArray()????Words????????????????????????????????wordArray??
InterSystems IRIS????BuildValueArray()??;
????????

```

```

??:????????/????????????
????????????????????????????????

```

```

????????????????????????????????

```

```
SAMPLES>SET empsalesoref = ##class(MyApp.Salesperson).%OpenId(3)
```

```
SAMPLES>SET empsalesoref.DescriptiveWords = "Creative"
```

```
SAMPLES>WRITE empsalesoref.%Save()
```

```
1
SAMPLES>SET empsalesoref = ##class(MyApp.Salesperson).%OpenId(4)
```

```
SAMPLES>SET empsalesoref.DescriptiveWords = "Logical,Tall"
```

```
SAMPLES>WRITE empsalesoref.%Save()
1
```

```
? sample index?????
DescriptiveWords(ELEMENTS)
```

" CREATIVE"

" ENTER KEYWORDS FOR THIS PERSON"

DescriptiveWords(ELEMENTS)

" ENTER KEYWORDS FOR THIS PERSON"

" LOGICAL"

" TALL"

??

???(?)??????????

??
?????????(%Persistent?)?????????????????(%SerialObject)?????????????????:

```
Class Sample.Person Extends (%Persistent) [ DdlAllowed ]
{
  Property Name As %String(MAXLEN=50);
  Property Home As Sample.Address;
  Index StateInx On Home.State;
}
```

??Home?Sample.Person????????Sample.Address????????State??????????

```
Class Sample.Address Extends (%SerialObject)
{
  Property Street As %String;
  Property City As %String;
  Property State As %String;
  Property PostalCode As %String;
}
```

??%S
erialObject???%Library.SerialObject(??%SerialObject?????????SqlCategory???)?SqlCategory??????

?????SQL CREATE INDEX????????????????????????????????

```
CREATE INDEX StateIdx ON TABLE Sample.Person (Home_State)
```

???????????

?????????????????????????????????:

