

## Question

[Ba Moser](#) · Aug 25, 2020

## How to create index inside Array

I use these example classes:

```
Class Sample.Address Extends (%SerialObject, %Populate)
```

```
{Property Street As %String;
```

```
Property City As %String;
```

```
Property State As %String(POPSPEC = "USState()");
```

```
Property Zip As %String;}
```

```
Property Name As %String;
Property Home As Sample.Address;
Property AR As array Of Sample.Address;
Property ID As %Library.BigInt;
Property x_classname As %Library.RawString;
```

SQL it is Table Sample.Person1

Field Name	Datatype	Column #	Required	Unique	Collation	Hidden	MaxLen
ID	%Library.BigInt	1	Yes	Yes		No	
Home	Sample.Address	2	No	No		Yes	
Name	%Library.String	3	No	No	SQLUPPER	No	50
States	%Library.String	4	No	No	SQLUPPER	Yes	50
x_classname	%Library.RawString	5	No	No		Yes	
Home_City	%Library.String	6	No	No	SQLUPPER	No	80
Home_State	%Library.String	7	No	No	SQLUPPER	No	2
Home_Street	%Library.String	8	No	No	SQLUPPER	No	80
Home_Zip	%Library.String	9	No	No	SQLUPPER	No	5

No problem to define INDEX on HomeState

But Table Sample.Person1AR

Field Name	Datatype	Column #	Required	Unique	Collation	Hidden	MaxL
Person1	%Library.BigInt	0	Yes	No		No	
ID	%Library.String	1	Yes	Yes	EXACT	No	512
AR	Sample.Address	2	No	No		Yes	
element_key	%Library.String	3	Yes	No	EXACT	No	
AR_City	%Library.String	4	No	No	SQLUPPER	No	80
AR_State	%Library.String	5	No	No	SQLUPPER	No	2
AR_Street	%Library.String	6	No	No	SQLUPPER	No	80
AR_Zip	%Library.String	7	No	No	SQLUPPER	No	5

HowTo define an INDEX on ARState ?

**Index** st On AR.State;

Does not compile!

[#ObjectScript](#) [#SQL](#) [#InterSystems](#) [IRIS](#)

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