

Table of Contents

- Feature Recipes 1
 - Creating Fields 1
 - Creating Schemas 2

Feature Recipes

Creating Fields

Create a Field with a name and a type

```
Field field = new Field("name", "String")
println field
```

```
name: String
```

Create a Geometry Field with a name and a geometry type and an optional projection

```
Field field = new Field("geom", "Point", "EPSG:4326")
println field
```

```
geom: Point(EPSG:4326)
```

Create a Field with a List of Strings (name, type, projection)

```
Field field = new Field(["geom", "Polygon", "EPSG:4326"])
println field
```

```
geom: Polygon(EPSG:4326)
```

Create a Field from a Map where keys are name, type, proj

```
Field field = new Field([
    "name": "geom",
    "type": "LineString",
    "proj": new Projection("EPSG:4326")
])
println field
```

```
geom: LineString(EPSG:4326)
```

Access a Field's properties

```
Field field = new Field("geom", "Point", "EPSG:4326")
println "Name = ${field.name}"
println "Type = ${field.typ}"
println "Projection = ${field.proj}"
println "Is Geometry = ${field.geometry}"
```

```
Name = geom
Type = Point
Projection = "EPSG:4326"
Is Geometry = true
```

Creating Schemas

Create a Schema from a list of Fields

```
Schema schema = new Schema("cities", [
    new Field("geom", "Point", "EPSG:4326"),
    new Field("id", "Integer"),
    new Field("name", "String")
])
println schema
```

```
cities geom: Point(EPSG:4326), id: Integer, name: String
```

Create a Schema from a list of Lists

```
Schema schema = new Schema("cities", [
    ["geom", "Point", "EPSG:4326"],
    ["id", "Integer"],
    ["name", "String"]
])
println schema
```

```
cities geom: Point(EPSG:4326), id: Integer, name: String
```

Create a Schema from a list of Maps

```
Schema schema = new Schema("cities", [  
    [name: "geom", type: "Point", proj: "EPSG:4326"],  
    [name: "id", type: "Integer"],  
    [name: "name", type: "String"]  
])  
println schema
```

```
cities geom: Point(EPSG:4326), id: Integer, name: String
```

Create a Schema from a string

```
Schema schema = new Schema("cities", "geom:Point:srid=4326,id:Integer,name:String")  
println schema
```

```
cities geom: Point(EPSG:4326), id: Integer, name: String
```