# Table of Contents



# Core Commands

## List

List all command names.

| Short Name | Long Name | Description |
|---|---|---|
| -d | --description | Include the description |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc list
```

```
carto map
filter cql2xml
geometry convert
geometry dd2pt
geometry geohash bounds
geometry geohash decode
geometry geohash encode
geometry geohash neighbors
geometry greatcirclearc
geometry offset
...
```

List all commands names with a short description.

```
geoc list -d
```

```
carto map = Create a cartographic map
filter cql2xml = Convert a CQL statement to an OCG XML Filter
geometry convert = Convert a geometry from one format to another
geometry dd2pt = Convert a decimal degrees formatted string into a Point
geometry geohash bounds = Calculate the geohashes for the given bounds
geometry geohash decode = Decode a GeoHash to a Geometry.
geometry geohash encode = Encode a Geometry as a GeoHash
geometry geohash neighbors = Get a geohash's neighbors
geometry greatcirclearc = Create a great circle arc.
geometry offset = Create a Geometry offset from the input Geometry
...
```

# Version

Get the current version.

| Short Name | Long Name | Description |
|---|---|---|
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc version
```

```
0.20.0-SNAPSHOT
```

# Help

You can get help from any subcommand.

```
geoc vector buffer --help
```

```
geoc vector buffer: Buffer the features of the input Layer and save them to the output
Layer
 --help                       : Print the help message (default: true)
 --web-help                   : Open help in a browser (default: false)
 -c (--capstyle) VAL          : The cap style (default: round)
 -d (--distance) VAL          : The buffer distance
 -i (--input-workspace) VAL   : The input workspace
 -l (--input-layer) VAL       : The input layer
 -o (--output-workspace) VAL : The output workspace
 -q (--quadrantsegments) N    : The number of quadrant segments (default: 8)
 -r (--output-layer) VAL      : The output layer
 -s (--singlesided)           : Whether buffer should be single sided or not
                                (default: false)
```

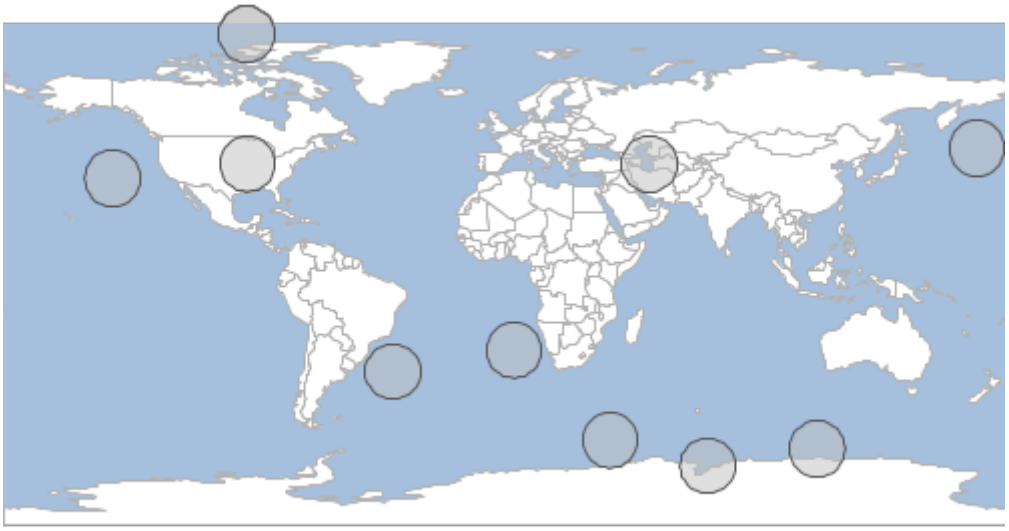
# Pipe

Combine multiple commands together with a pipe.

| Short Name | Long Name | Description |
|---|---|---|
| -c | --commands | Commands separate by pipe |
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc pipe -c vector randompoints -n 10 -g -180,-90,180,90 | vector buffer -d 10
```

```
"id:Integer","the_geom:Polygon:EPSG:4326"
"0","POLYGON ((48.14635868435036 -59.899356027710354, 47.95421148838267
-61.850259247871634, 47.38515400946323 -63.726190351361254, 46.46105480737582
-65.45505835790638, 45.217426496215836 -66.97042383957583, 43.70206101454638
-68.21405215073581, 41.97319300800126 -69.13815135282323, 40.09726190451164
-69.70720883174266, 38.14635868435036 -69.89935602771035, 36.19545546418908
-69.70720883174266, 34.31952436069946 -69.13815135282323, 32.59065635415434
-68.21405215073581, 31.075290872484885 -66.97042383957583, 29.831662561324908
-65.45505835790638, 28.907563359237493 -63.726190351361254, 28.338505880318056
-61.85025924787164, 28.14635868435036 -59.899356027710354, 28.338505880318056
-57.94845280754907, 28.907563359237493 -56.072521704059454, 29.831662561324904
-54.343653697514334, 31.075290872484885 -52.82828821584488, 32.59065635415434
-51.5846599046849, 34.31952436069946 -50.66056070259749, 36.195455464189074
-50.09150322367805, 38.14635868435036 -49.899356027710354, 40.09726190451164
-50.091503223678046, 41.97319300800126 -50.660560702597486, 43.70206101454638
-51.5846599046849, 45.217426496215836 -52.82828821584488, 46.46105480737582
-54.343653697514334, 47.38515400946322 -56.07252170405945, 47.95421148838266
-57.94845280754907, 48.14635868435036 -59.899356027710354))"
...
```

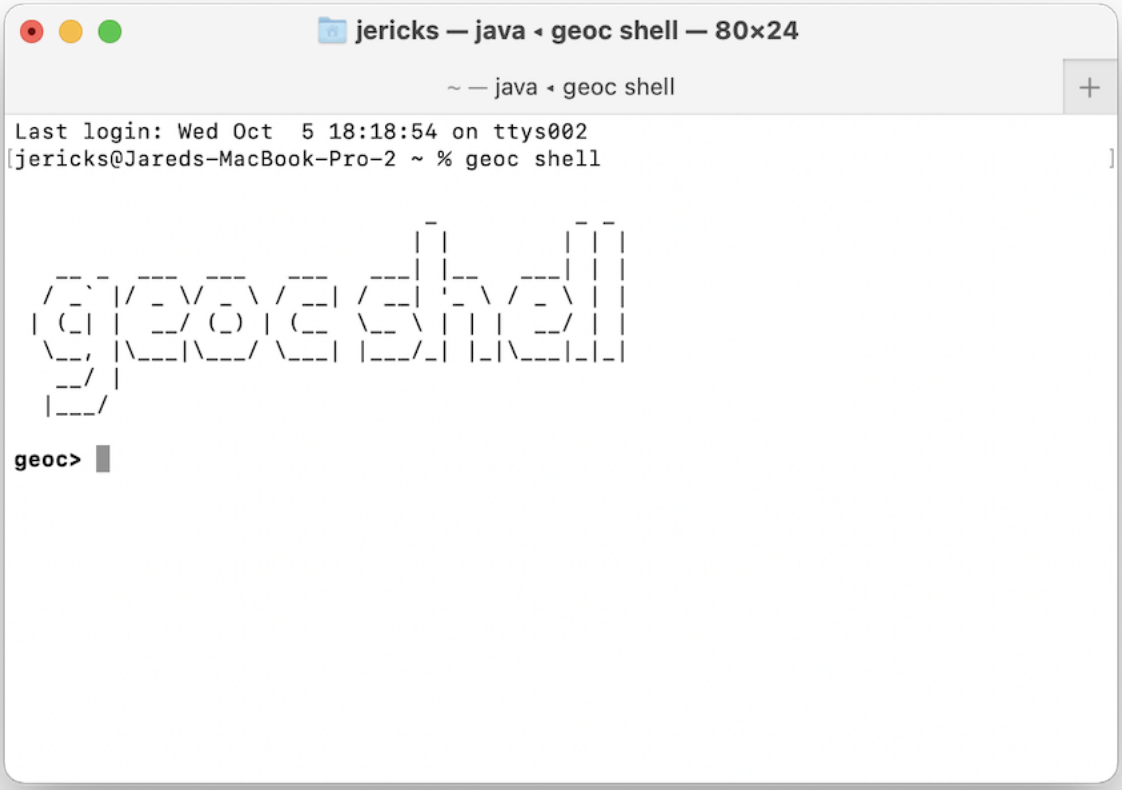


# Shell

Run commands in an interactive shell.

| Short Name | Long Name | Description |
|---|---|---|
| | --help | Print the help message |
| | --web-help | Open help in a browser |

```
geoc shell
```

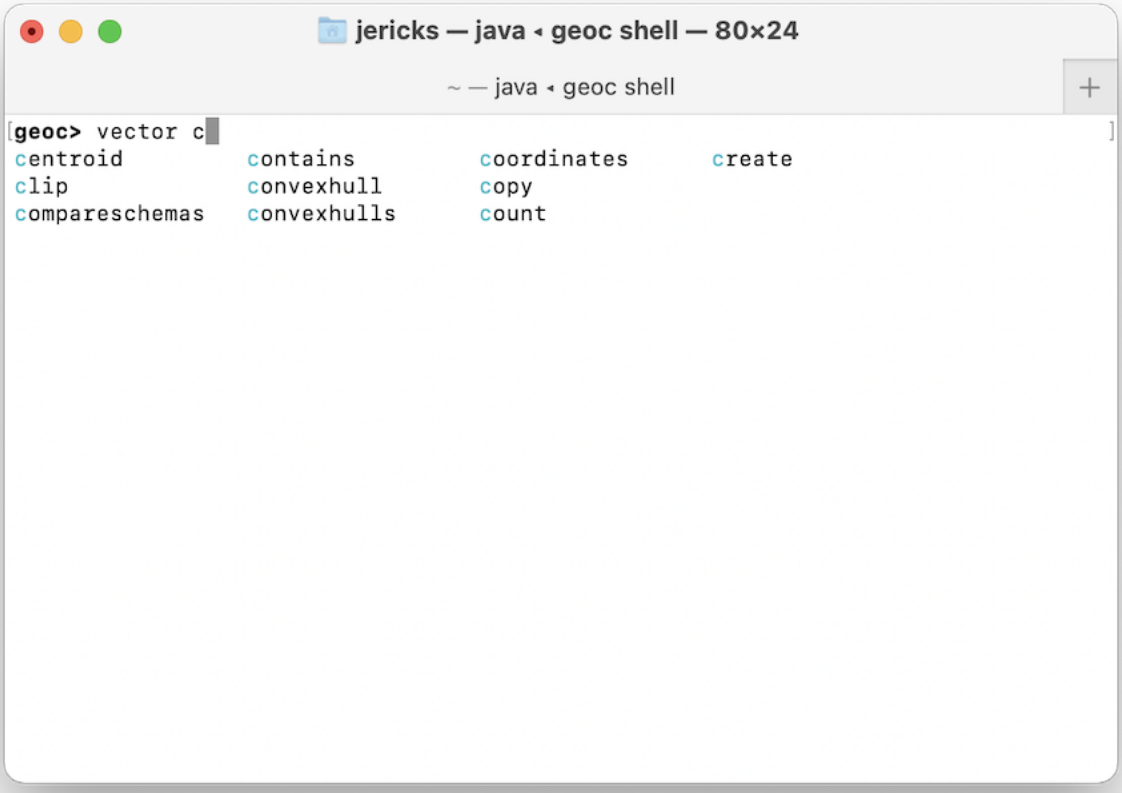



You can now type commands in the interactive shell.

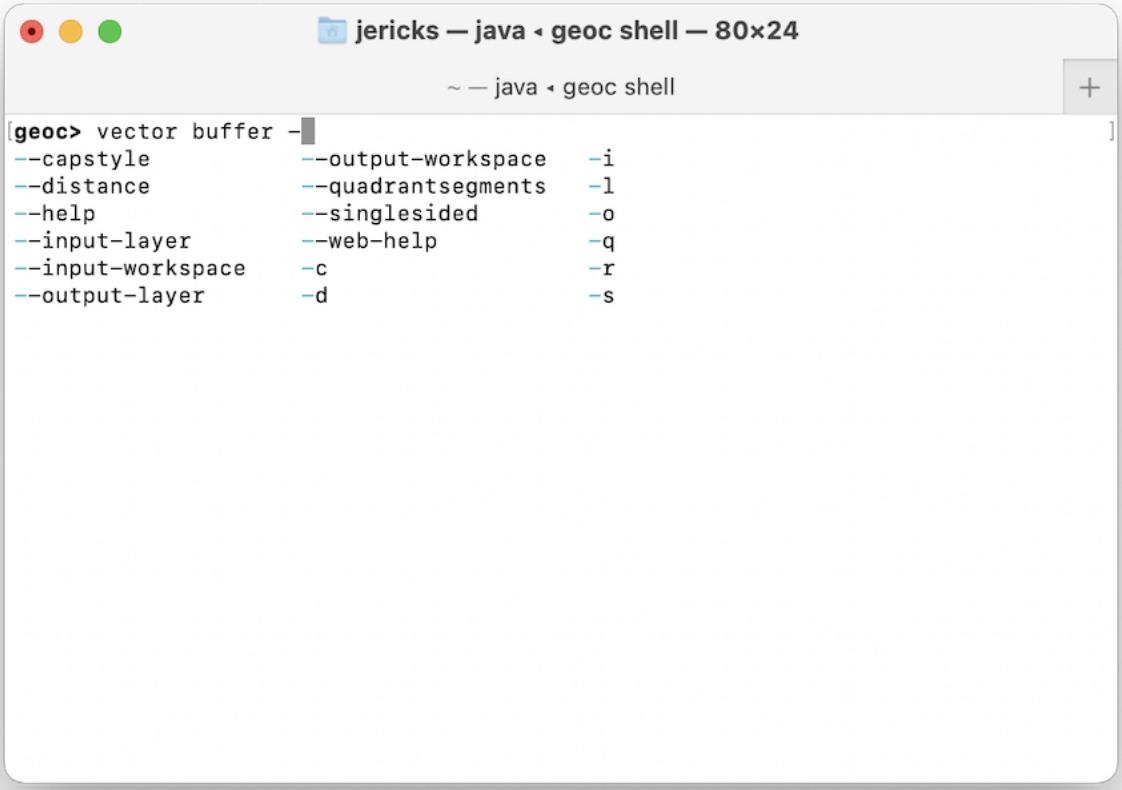
If you hit the **tab** key you can get command line completion.

You can use the tab key again to cycle through the suggested values and hit the **return** key to select one.


In this example, we are looking for the vector contains command, so after typing vector c and hitting tab, we get a list of all vector commands that begin with the letter c.




Once we have found our command, the shell will also provide completion for options.


jericks — java ◂ geoc shell — 80×24
~ — java ◂ geoc shell
geoc> vector buffer -
--capstyle
--distance
--help
--input-layer
--input-workspace
--output-layer
--output-workspace
--quadrantsegments
--singlesided
--web-help
-c
-d
-i
-l
-o
-q
-r
-s