# 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)
```

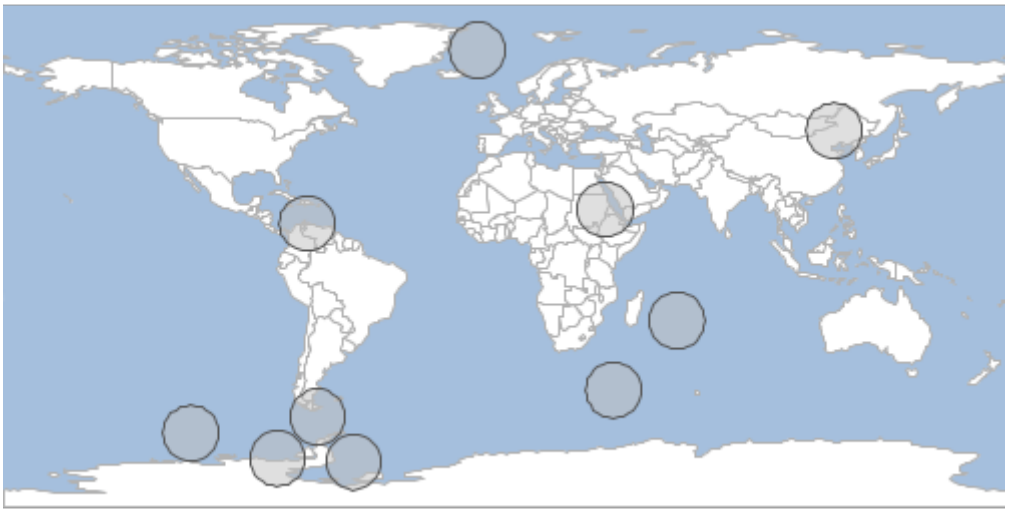
# Pipe

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 ((-44.005900072109085 -74.2518215016877, -44.19804726807678
-76.20272472184898, -44.76710474699622 -78.0786558253386, -45.69120394908363
-79.80752383188373, -46.93483226024361 -81.32288931355318, -48.450197741913065
-82.56651762471316, -50.179065748458186 -83.49061682680056, -52.054996851947806
-84.05967430572001, -54.005900072109085 -84.2518215016877, -55.956803292270365
-84.05967430572001, -57.832734395759985 -83.49061682680056, -59.561602402305105
-82.56651762471316, -61.07696788397456 -81.32288931355318, -62.32059619513454
-79.80752383188373, -63.24469539722195 -78.0786558253386, -63.81375287614139
-76.20272472184898, -64.00590007210909 -74.2518215016877, -63.81375287614139
-72.30091828152642, -63.24469539722195 -70.4249871780368, -62.32059619513454
-68.69611917149169, -61.07696788397456 -67.18075368982223, -59.561602402305105
-65.93712537866224, -57.832734395759985 -65.01302617657484, -55.95680329227037
-64.4439686976554, -54.005900072109085 -64.2518215016877, -52.054996851947806
-64.4439686976554, -50.179065748458186 -65.01302617657484, -48.450197741913065
-65.93712537866224, -46.93483226024361 -67.18075368982223, -45.69120394908363
-68.69611917149167, -44.767104746996225 -70.4249871780368, -44.198047268076785
-72.3009182815264, -44.005900072109085 -74.2518215016877))"
...
```

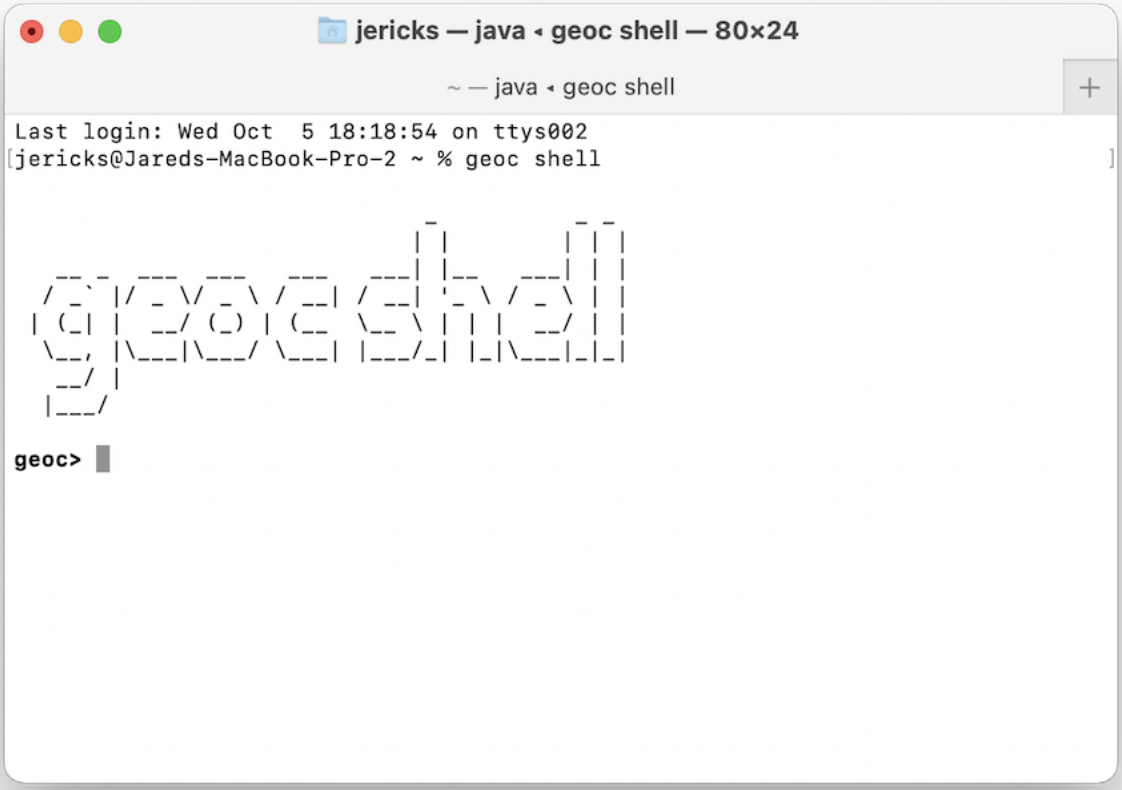


# Shell

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
```

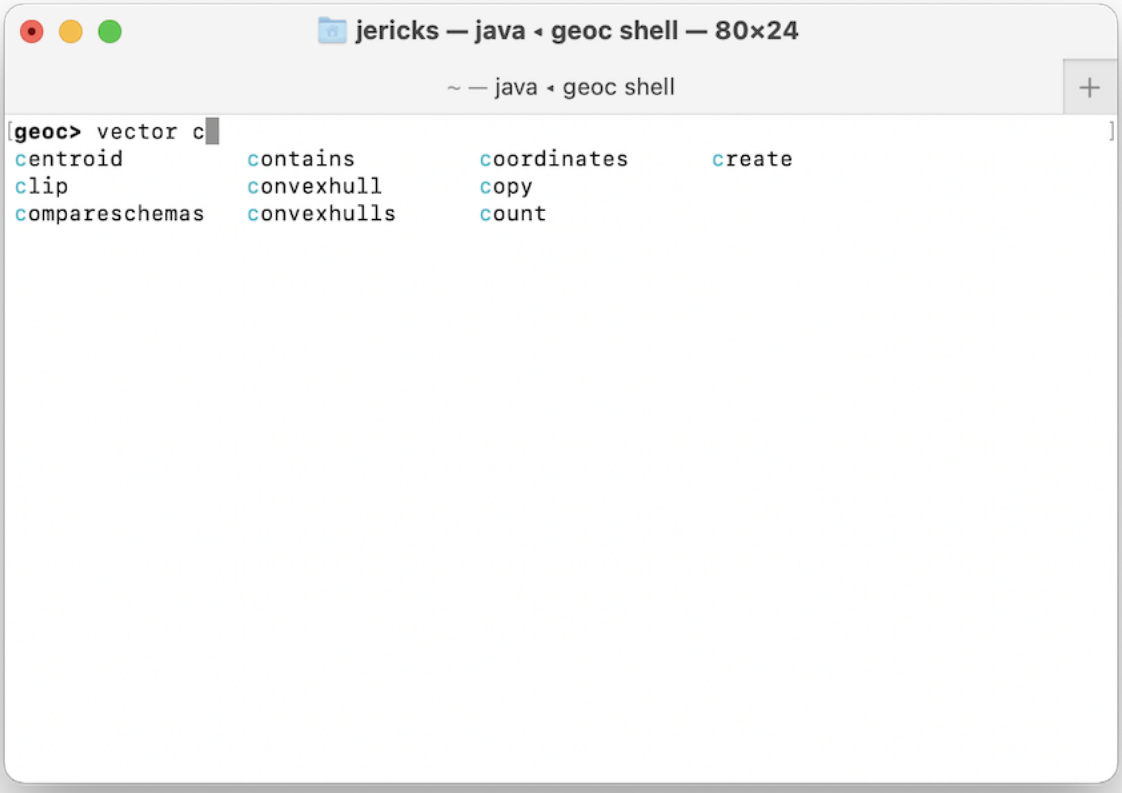



You can now type commands in the interactive shell.

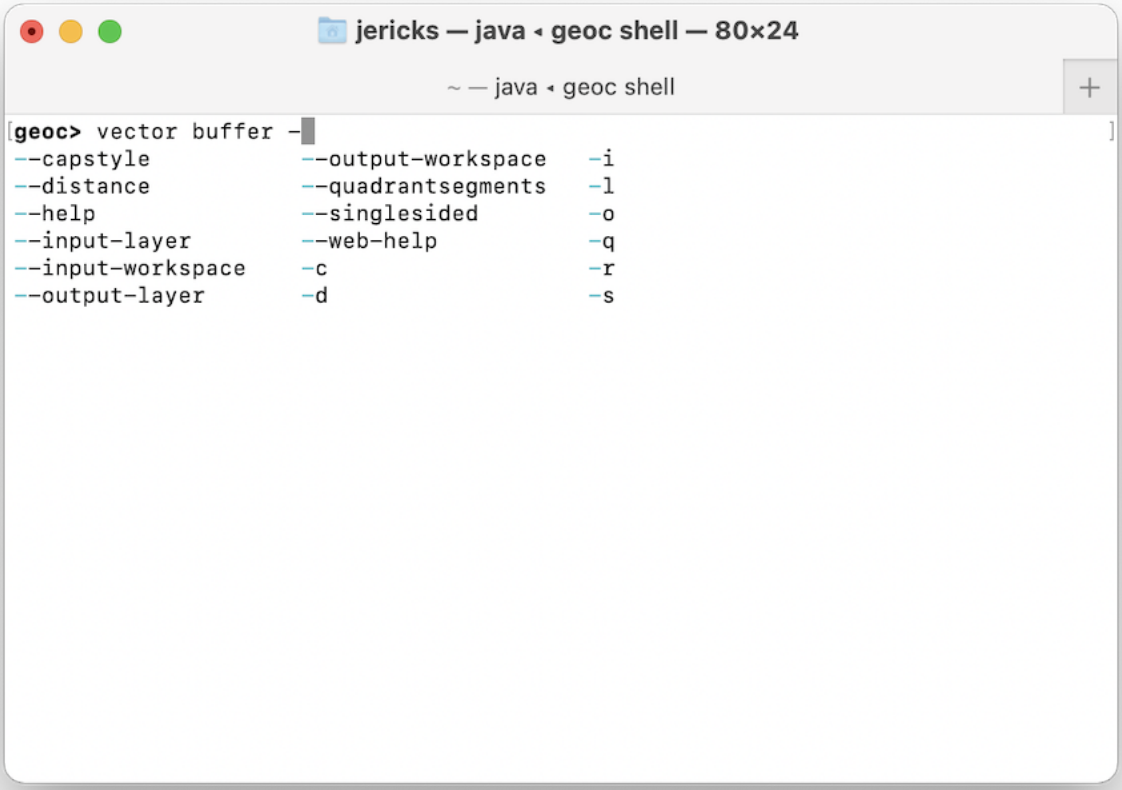
If you hit the **tab** key you can get command line completion.

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