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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)
```

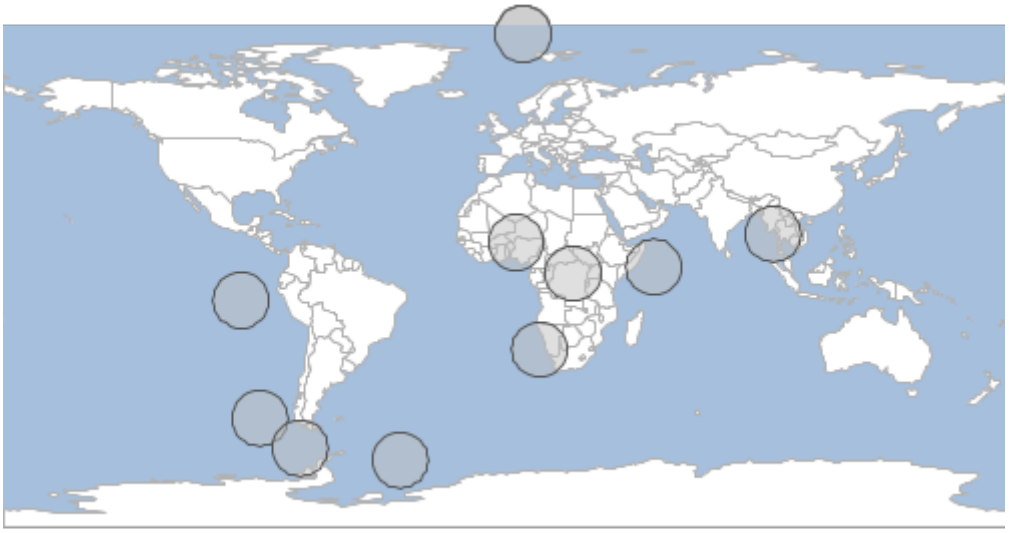
Pipe

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 ((106.71687198430624 14.850495970457061, 106.52472478833855
12.899592750295778, 105.95566730941911 11.023661646806163, 105.0315681073317
9.29479364026104, 103.78793979617171 7.779428158591586, 102.27257431450226
6.535799847431608, 100.54370630795714 5.611700645344193, 98.66777520446752
5.042643166424757, 96.71687198430624 4.850495970457061, 94.76596876414496
5.042643166424757, 92.89003766065534 5.611700645344193, 91.16116965411021
6.535799847431607, 89.64580417244076 7.779428158591585, 88.40217586128078
9.29479364026104, 87.47807665919336 11.023661646806161, 86.90901918027393
12.899592750295774, 86.71687198430624 14.85049597045706, 86.90901918027393
16.801399190618344, 87.47807665919336 18.677330294107957, 88.40217586128078
20.40619830065308, 89.64580417244076 21.921563782322536, 91.16116965411021
23.165192093482514, 92.89003766065534 24.089291295569925, 94.76596876414496
24.65834877448936, 96.71687198430624 24.85049597045706, 98.66777520446752
24.658348774489365, 100.54370630795714 24.08929129556993, 102.27257431450225
23.165192093482517, 103.78793979617171 21.921563782322536, 105.0315681073317
20.40619830065308, 105.9556673094191 18.677330294107964, 106.52472478833855
16.801399190618348, 106.71687198430624 14.850495970457061))"
...
```

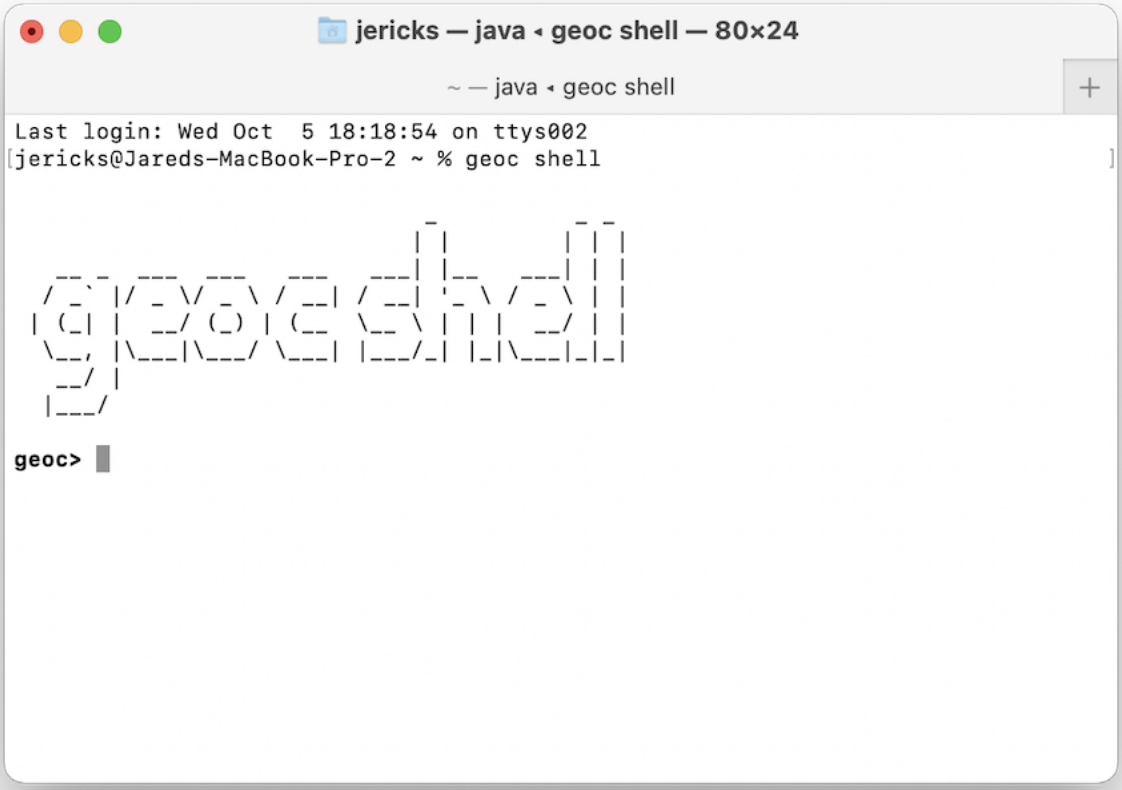


Shell

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
```

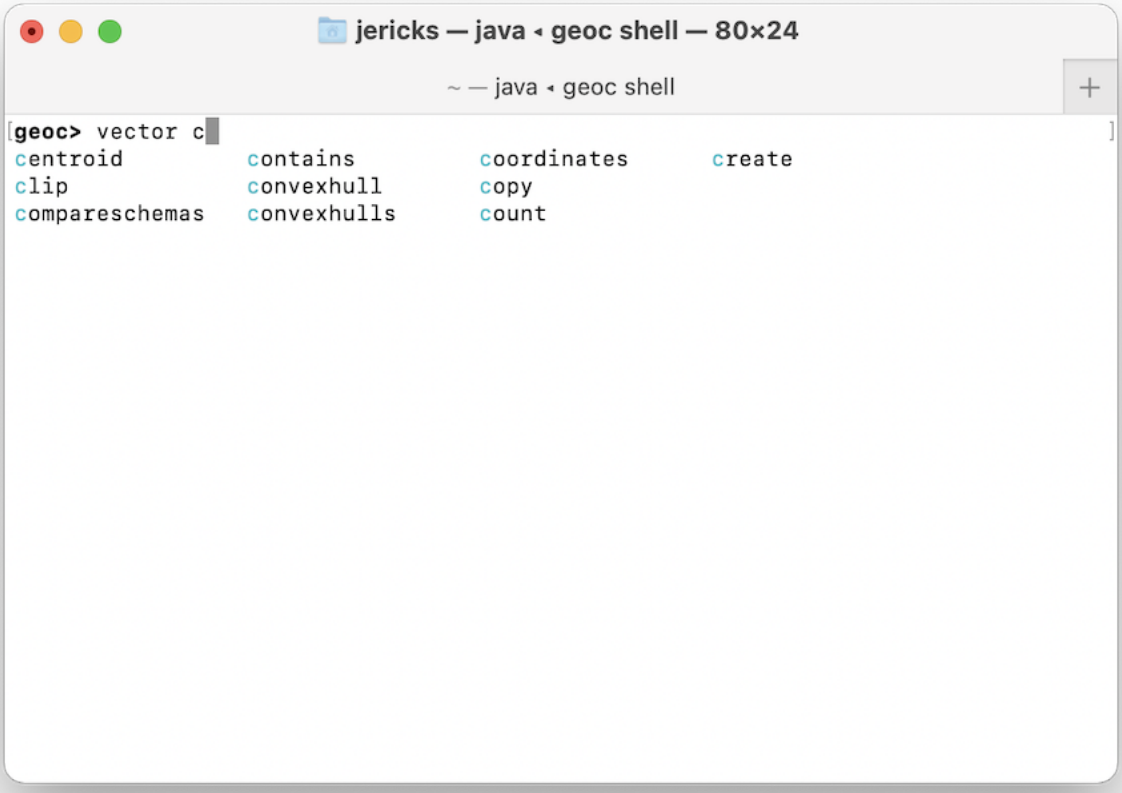


You can now type commands in the interactive shell.

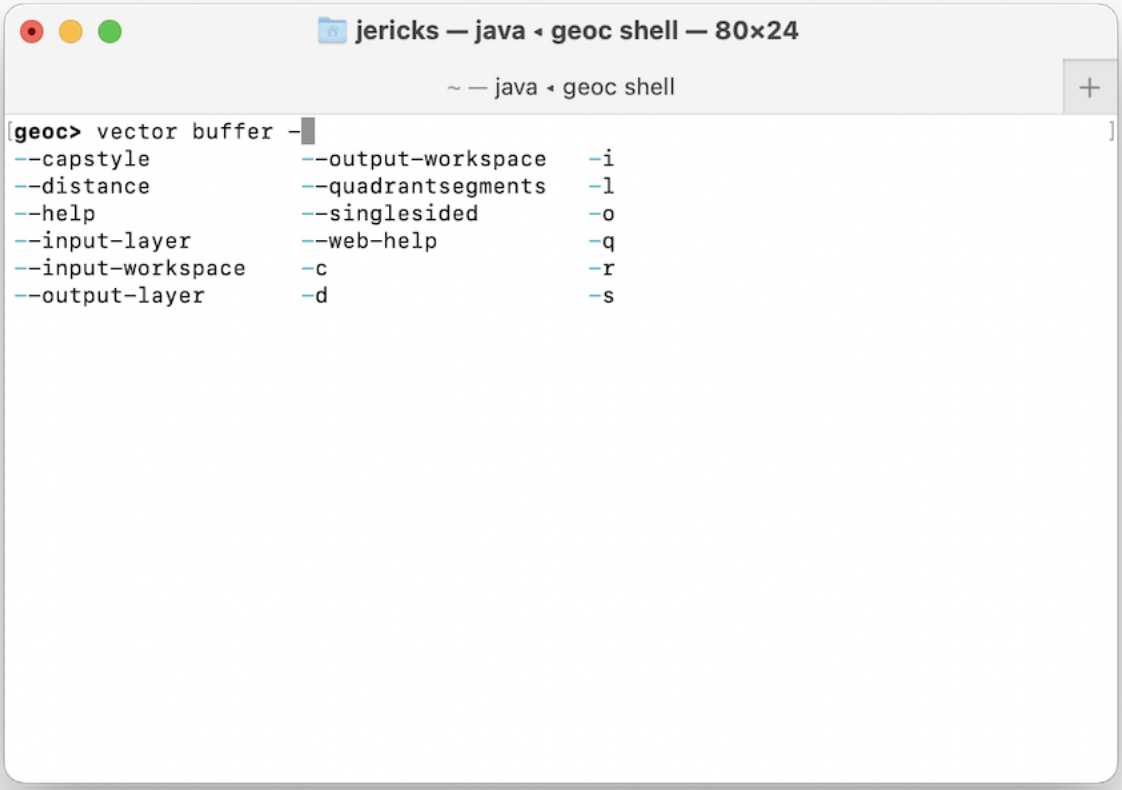
If you hit the **tab** key you can get command line completion.

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