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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)
```

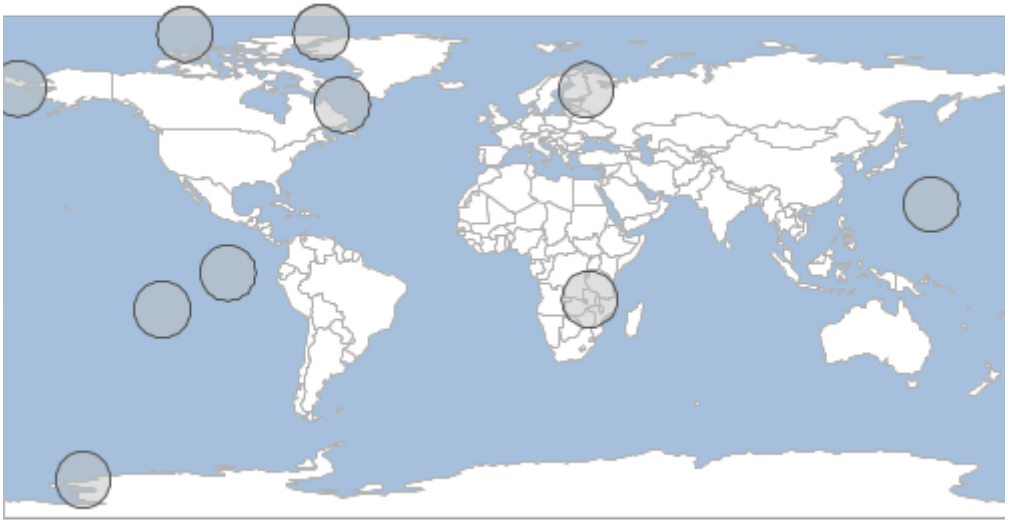
Pipe

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 ((-164.59889101875683 63.88817589520292, -164.79103821472452
61.93727267504164, -165.36009569364396 60.06134157155202, -166.2841948957314
58.3324735650069, -167.52782320689136 56.817108083337445, -169.0431886885608
55.573479772177464, -170.77205669510593 54.64938057009005, -172.64798779859555
54.08032309117061, -174.59889101875683 53.88817589520292, -176.5497942389181
54.08032309117061, -178.42572534240773 54.64938057009005, -180.15459334895286
55.573479772177464, -181.6699588306223 56.817108083337445, -182.91358714178227
58.3324735650069, -183.8376863438697 60.06134157155202, -184.40674382278914
61.93727267504163, -184.59889101875683 63.88817589520292, -184.40674382278914
65.8390791153642, -183.8376863438697 67.71501021885382, -182.91358714178227
69.44387822539895, -181.6699588306223 70.9592437070684, -180.15459334895286
72.20287201822838, -178.42572534240773 73.12697122031578, -176.5497942389181
73.69602869923523, -174.59889101875683 73.88817589520292, -172.64798779859555
73.69602869923523, -170.77205669510593 73.12697122031578, -169.0431886885608
72.20287201822838, -167.52782320689136 70.9592437070684, -166.2841948957314
69.44387822539895, -165.36009569364396 67.71501021885382, -164.79103821472452
65.83907911536421, -164.59889101875683 63.88817589520292))"
...
```

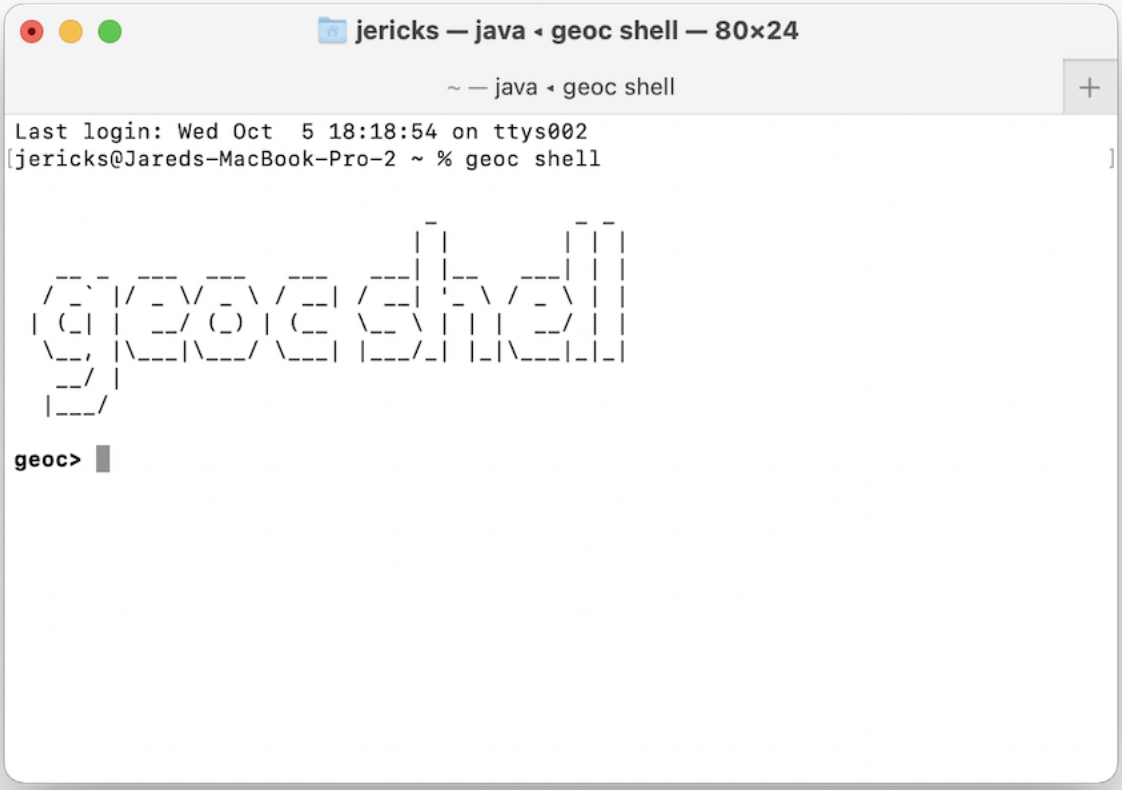


Shell

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
```

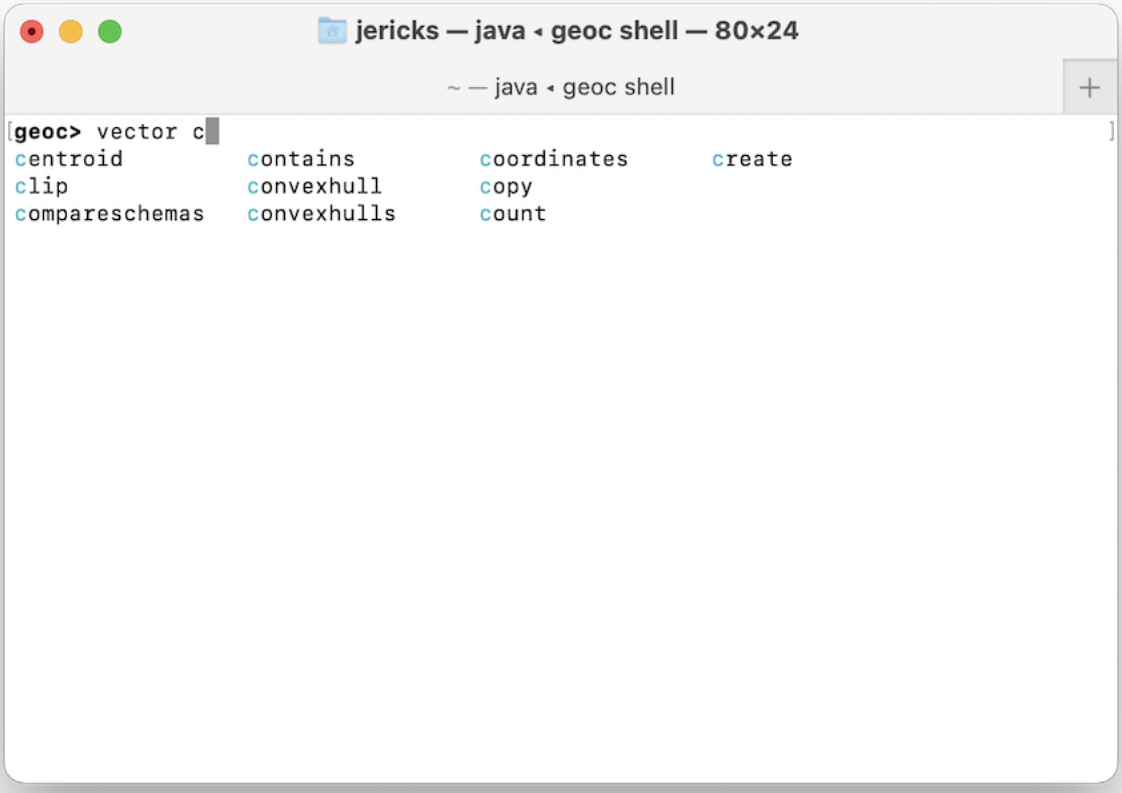


You can now type commands in the interactive shell.

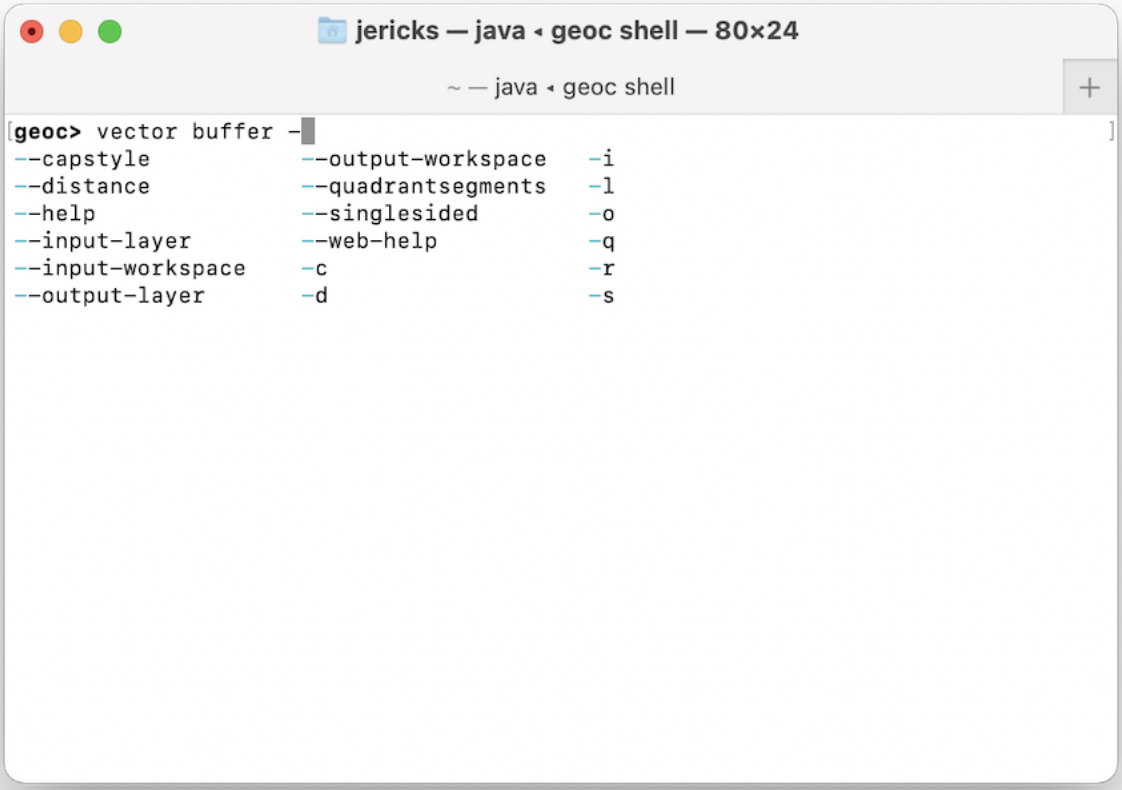
If you hit the **tab** key you can get command line completion.

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