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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)
```

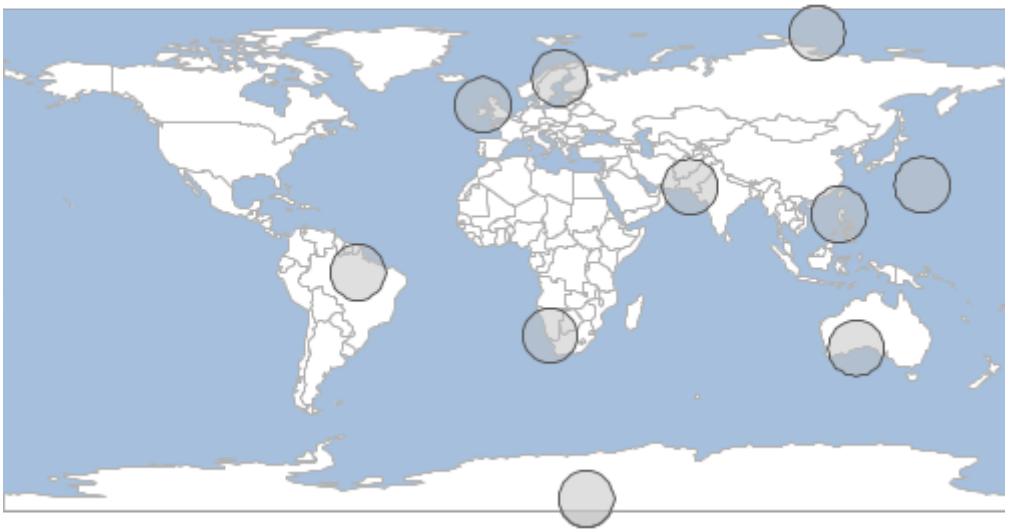
Pipe

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 ((160.26705029508082 26.802453417000734, 160.07490309911313
24.85155019683945, 159.5058456201937 22.975619093349835, 158.58174641810626
21.246751086804714, 157.3381181069463 19.73138560513526, 155.82275262527685
18.48775729397528, 154.09388461873172 17.563658091887866, 152.2179535152421
16.99460061296843, 150.26705029508082 16.802453417000734, 148.31614707491954
16.99460061296843, 146.44021597142992 17.563658091887866, 144.7113479648848
18.487757293975278, 143.19598248321535 19.73138560513526, 141.95235417205538
21.246751086804714, 141.02825496996795 22.975619093349835, 140.4591974910485
24.851550196839447, 140.26705029508082 26.802453417000734, 140.4591974910485
28.753356637162018, 141.02825496996795 30.62928774065163, 141.95235417205538
32.358155747196754, 143.19598248321535 33.87352122886621, 144.7113479648848
35.11714954002619, 146.44021597142992 36.041248742113595, 148.31614707491954
36.610306221033035, 150.26705029508082 36.802453417000734, 152.2179535152421
36.61030622103304, 154.09388461873172 36.0412487421136, 155.82275262527685
35.11714954002619, 157.3381181069463 33.87352122886621, 158.58174641810626
32.358155747196754, 159.5058456201937 30.629287740651638, 160.07490309911313
28.75335663716202, 160.26705029508082 26.802453417000734))"
...
```

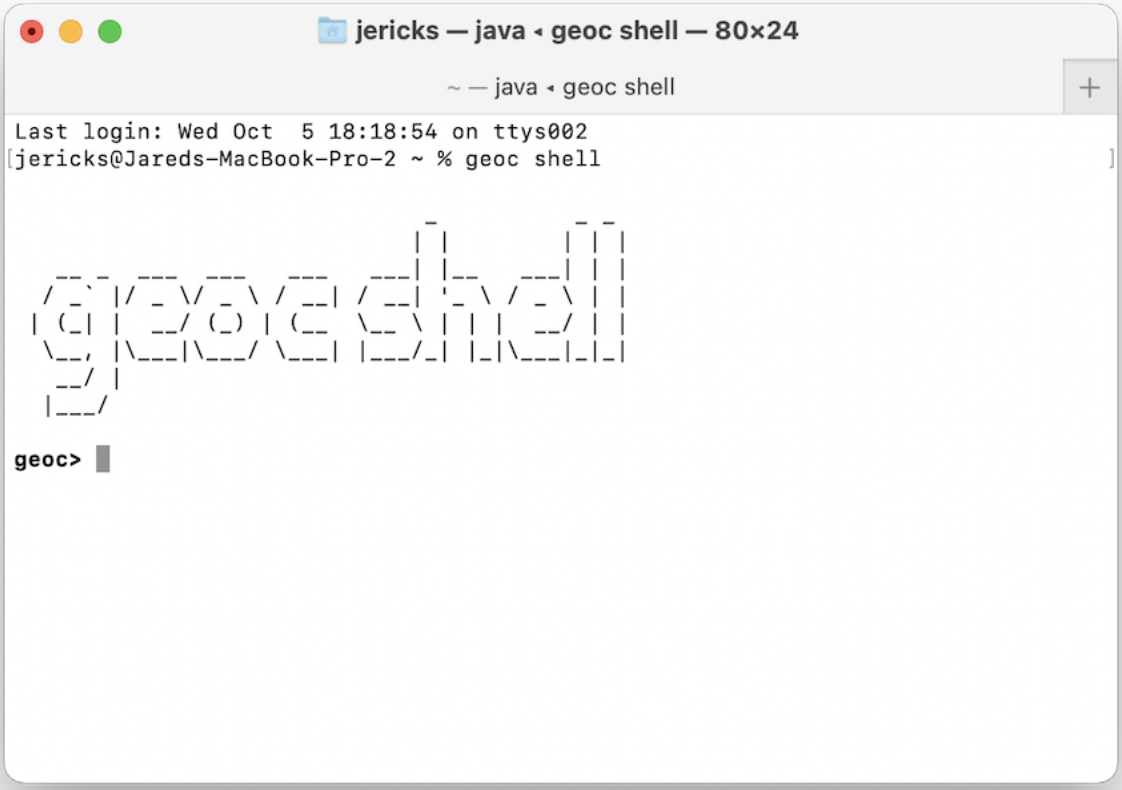


Shell

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
```

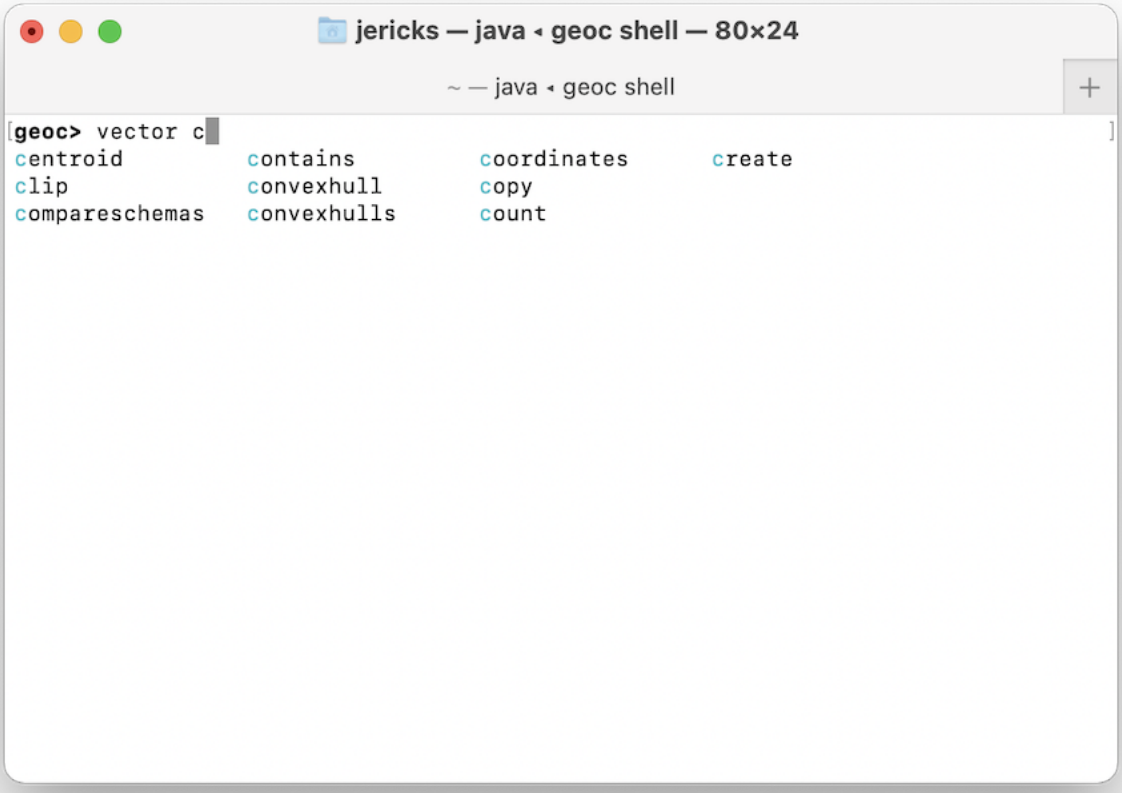


You can now type commands in the interactive shell.

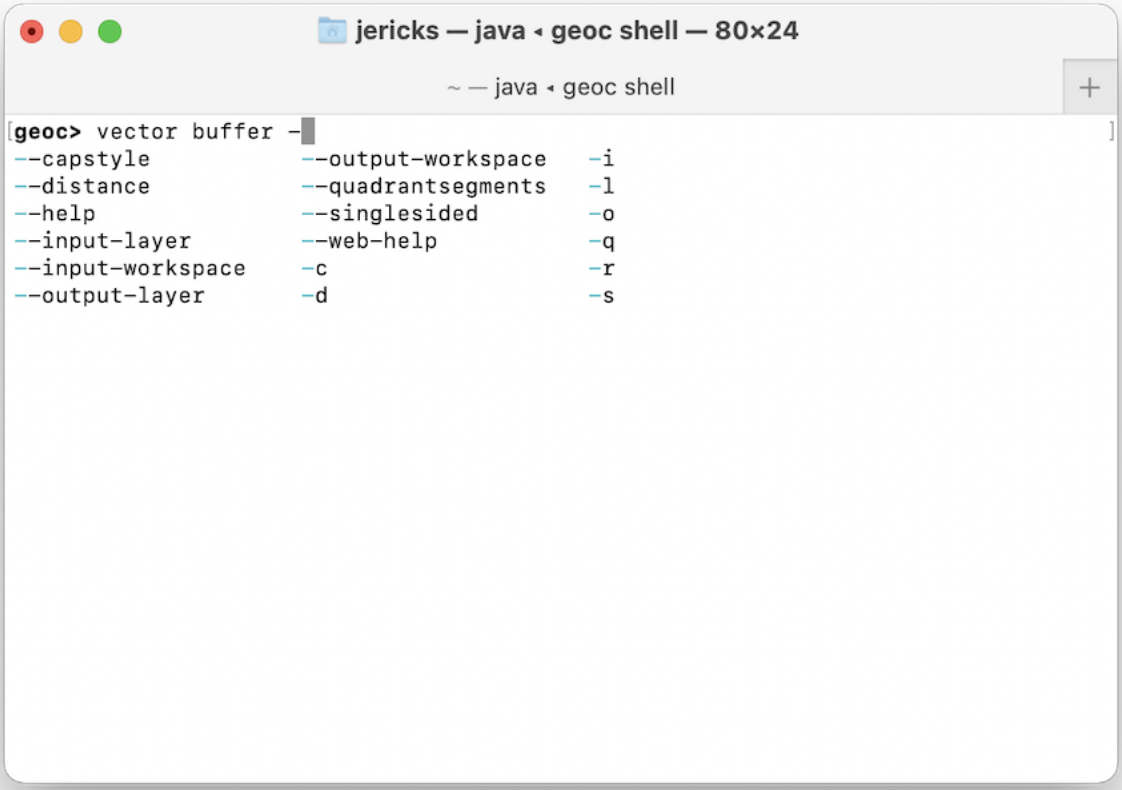
If you hit the **tab** key you can get command line completion.

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